



Nova Scotia

EDUCATION

Annual Report

FOR THE YEAR ENDING JULY 31, 1983

THE HONOURABLE ALAN R. ABRAHAM, C.D.
Lieutenant-Governor of Nova Scotia

Sir:

I beg to present herewith the report of the Department of Education for the school year ended July 31, 1983.

I have the honour to be

Your obedient servant,

TERENCE R.B. DONAHOE
Minister of Education

HONOURABLE TERENCE R.B. DONAHOE
Minister of Education

Sir:

I have the honour to submit the annual report of the Department of Education for the school year ended July 31, 1983.

I have the honour to be

Your obedient servant,

G.J. McCARTHY
Deputy Minister of Education

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1. DEPARTMENT OF EDUCATION: ADMINISTRATIVE STRUCTURE

The major administrative program areas of the Department of Education are Public School Operations, Education Programs, and the Finance and Budgeting Program.

PUBLIC SCHOOL OPERATIONS

Public School Operations includes the following divisions: Curriculum Development, Vocational Education, Inspection Services, and School Planning and Conveyance.

The Curriculum Development Program, which is responsible for elementary and secondary education programs, co-ordinates curriculum development, recommends appropriate instructional materials for inclusion in the authorized lists, and provides consultant services. It assists in the planning and implementation of in-service programs and has consultants in a variety of subject areas.

The Vocational Education Program provides general supervision of secondary vocational education and operates 11 of the 14 regional vocational schools in the province. (The remaining three are operated by district school boards.)

The staff of Inspection Services consult with school boards, school administrative staff, and the general public, and serve regionally as interpreters of departmental policy and procedures.

The School Planning and Conveyance section monitors and provides advice on school construction and on the safe and efficient operation of pupil conveyance systems.

EDUCATION PROGRAMS

The Education Programs area includes: Adult Education, Education Resource Services, Ethnic Services, the Nova Scotia Teachers College, Publication and Reference, and Teacher Certification.

The Adult Education Program assists in developing and co-ordinating all aspects of adult education in the province through (a) assistance to continuing education in adult education classes, along with community development and other adult education services, (b) adult vocational education, involving development and operation of manpower training, and (c) applied arts and technology education, involving operation of three

technical institutes. The vocational and technical program is co-ordinated with the services offered by the Canada Employment and Immigration Commission.

The Education Resource Services Program includes the Nova Scotia Museum, Education Media Services, and the Provincial Library. The Museum displays and interprets artifacts related to the natural, social, and marine history of the province, operates a number of historic buildings throughout Nova Scotia, and provides financial and advisory support to local museums. Education Media Services provides schools with the resources of a media library, an audio-visual equipment repair service, and various audio-visual productions, including educational television programming. The Provincial Library co-ordinates the regional library service of the province and the union catalogue of library holdings in Nova Scotia and provides assistance to schools through a Co-ordinator of School Libraries.

Ethnic Services provides information and advice to other departmental divisions and to local school systems on the development of programs designed to increase knowledge and appreciation of the contributions of all ethnic groups and of the multicultural nature of our society.

The Nova Scotia Teachers College provides a three-year teacher education program and also offers a variety of courses for teachers interested in furthering their professional education.

Publication and Reference publishes periodicals for teachers, consolidations of legislation, directories of schools, and various other bulletins related to education. This section also provides a general editing service for the department, answers inquiries from the public and the news media, and helps to arrange publicity for departmental events.

The Teacher Certification section supervises and maintains records on the registration and certification of teachers.

FINANCE AND BUDGETING

The Finance and Budgeting area includes the divisions of Financial Management, Teachers' Pensions, Public Education Grants, and Research. Also associated with the Finance and Budgeting area, for financial reporting purposes, is a Post-Secondary Education section.

The Financial Management division controls the internal financial operations of the department, operates a bureau which supplies school boards with textbooks and other learning

materials, and maintains departmental personnel records.

The Teachers' Pensions section administers the provisions of the Teachers' Pension Act and Regulations.

Through its staff in the central office in Halifax and accounting and control officers based in the various regions of the province, the Public Education Grants division co-ordinates the provision of education grants to school boards.

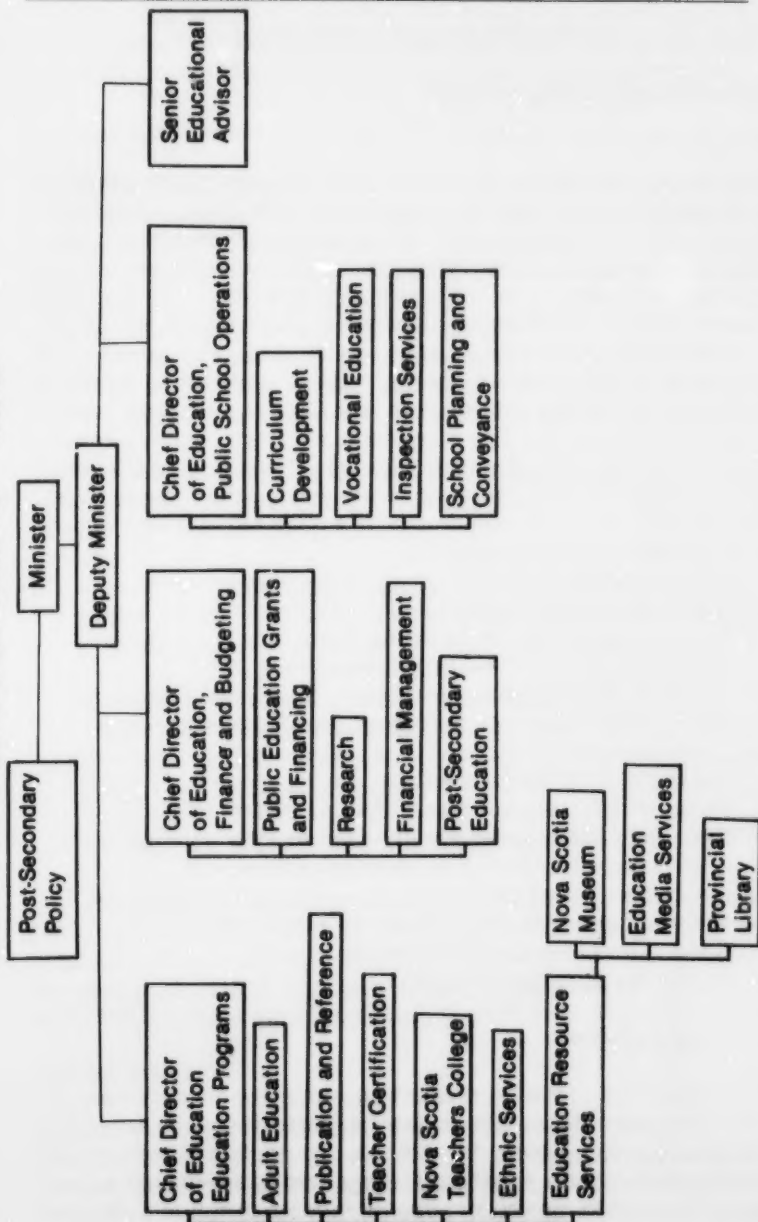
The Research division calculates grants to school boards in accordance with funding formulas, carries out educational research, and maintains educational statistics.

The Post-Secondary Education section includes a Financial Analyst and a Student Aid Office which administers the Canada Student Loan and Nova Scotia Student Bursary programs. The Financial Analyst also liaises with the Maritime Provinces Higher Education Commission on financial matters.

NOVA SCOTIA DEPARTMENT OF EDUCATION — 1982-83

DEPARTMENT OF EDUCATION

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2. PUBLIC SCHOOL OPERATIONS

CURRICULUM DEVELOPMENT

New and Revised Programs

Task forces considered and made recommendations on changes in program in a number of subject areas. Particular emphasis was centred on changes in the high school mathematics program, business education (data and word processing), oceanography, industrial arts, English language arts, and Acadian Studies. Staff of the division prepared a submission to the Council of Maritime Premiers on Maritime Studies, and assisted in Council projects related to energy, social studies and Acadian Studies. One hundred thirty-eight new learning materials were added to the approved list, along with 104 items which were extensions to currently approved programs. Two hundred fifty-nine items which had become obsolete and unnecessary were deleted. The following new teaching guides and supplementary documents have been produced:

- Mathematics, Nine and Ten
- Oceanography 331, A Teaching Guide
- Oceanography 331, A Student Handbook
- Grade 9, British History (Activities, Exercises, Resources)
- Home Technology, An Industrial Arts Supplementary Document
- Industrial Arts, Resource Book
- Le jeu et l'expression dramatique à l'élémentaire
- Economie 336 L'économie canadienne (11e année)
et Economie 446 Les économies nationale et internationale (12e année)
- Programme de français (7e année à 9e année)
- Speech and Language Handbook
- Education physique (M à 6e)

In-Service Activities

The consultants of the Curriculum Development division were involved in more than 180 in-service activities with teachers throughout the province. In addition, Curriculum Development and the Nova Scotia Teachers College jointly sponsored a two-day conference for assistant superintendents of schools who are directly responsible for curriculum development at the district

board level. The conference theme was "The Role of the Curriculum Leader". Representatives from each board attended.

Acadian and Second Language Education

The Ministerial Advisory Committee completed its review of comment and briefs on the proposed guidelines for the establishment of Acadian schools. After revision of the guidelines and in light of these comments, a revised draft was submitted to the Minister.

The development of programs and guidelines in French has continued and a number of new documents have been published, as noted in the list above. The guidance booklet, *Vers une carrière*, containing information for students entering senior high school, was reviewed and updated.

Curriculum Development staff administered several bursary programs funded by the federal Department of the Secretary of State. These included:

- a summer language bursary program (immersion courses) under which 429 bursaries were awarded to Nova Scotia post-secondary students for a value of \$514,800;

- a minority or second-language teacher bursary program under which bursaries of varying amounts totalling \$91,652 were awarded to 117 teachers of French either as a minority language or a second language;

- fellowships, entrance and travelling bursaries.

The three bursary programs provide students with an opportunity for immersion in the milieu of their second language or encourage official minority-language students to pursue post-secondary studies in their own language. Bursaries were awarded to 105 students for a total value of \$116,913.

Special Education

Special education activities were intensified throughout the province and within the Department of Education during the year. Special programs in-service kits were produced and introduced through regional presentations to all of the school boards of the province. The kits, which were designed for school use by both

regular and special educators, included such topics as individualizing instruction, assessing student needs, mainstreaming, parent participation in decision making at the school level, and a team approach to effective problem solving.

Speech and Language Services: A Special Education Handbook was introduced, and is expected to be useful to school administrators who are responsible for speech and language services within school districts and to speech pathologists employed by school boards.

Special education administrators from all the newly-organized school boards met on three occasions during the school year to work on a variety of special education issues. In particular, educational assessments, speech and language services, the resource program, and evaluation considerations were topics of foremost concern. Special education programs in 10 of the 21 district boards were reviewed by the Assistant Director of Special Programs. This involved two- to three-day visits to survey program achievements and problems, followed by preparation of reports which provided the administrative staff of the boards with a blueprint of activities to consider for planning program changes.

The Curriculum Division, through the Assistant Director of Special Programs, worked with school boards and inspectors to ensure that all learning disabled students who had not been provided funding for residential school placement through the APSEA* program were placed in appropriate programs at the district level.

Numerous in-service programs were conducted with teachers, principals, and curriculum specialists. A number of positive developments have followed, including the development of policies and special education handbooks for use by the professional staff of the district boards in the province, the use of admissions committees at the district level for proper student placement and evaluation of those placements, a recognition of the value of good assessment services, and more co-operation between school boards and community agencies. In addition, some new curriculum projects for mentally handicapped students are under way.

* Atlantic Provinces Special Education Authority

Other Activities

Staff of the Curriculum Development Division assisted in school surveys in Hants County and Digby County.

The school year 1982-83 saw the full implementation of the three-year introduction of CHOICES, a computerized, career information system, into all the high schools in Nova Scotia. Twenty-two main frame versions and 28 micro-computer versions are now available and in excess of 200 educational personnel have been trained in both the technical and counselling aspects of this career guidance program.

There were 111 approved pilot programs across the province monitored by the department during the school year.

VOCATIONAL EDUCATION

There are 14 vocational schools in Nova Scotia, 11 of which are operated by the Minister of Education, with the remaining three being operated by district school boards. There were 65 vocational programs offered within these 14 schools during the year.

Vocational education staff held meetings during the year with all vocational school principals and guidance personnel to provide a forum for planning and to assist in developing standard policies and procedures. In addition, closer co-ordination was achieved with the Department of Labour and Manpower.

Many vocational teachers took part in professional development activities during the year. The Vocational Teachers Summer School, held at the Nova Scotia Teachers College in Truro, had an enrolment of 60. The department also provided funds for over 125 vocational teachers to update their knowledge and skills, with industry playing a major role in this updating. Negotiations were completed with the Nova Scotia Teachers Union to provide sabbatical leave for technological updating.

Committees have been established to study entrance requirements for vocational education and to investigate flexible entry and exit plans and the length of the school year, including the possibility of a 12-month continuous entrance-exit arrangement.

Other important developments were the implementation of modular training in carpentry and bricklaying, arrangements for a general insurance plan for all schools, and a concentrated effort to make more information available on opportunities for female students in trades not traditionally entered by women.

The need for additional vocational school facilities within the Sackville-Bedford area was determined, and the Minister of Education announced the government's intention to construct a new vocational school in that area.

INSPECTION SERVICES

The staff of Inspection Services includes 11 inspectors of schools, two assistant inspectors, a secretarial staff of 14 and the central office administrative staff consisting of the director and an assistant director.

The year under review was active and demanding for the inspection services staff because of the adjustments necessary following the formation of district school boards. The inspectors of schools, as the Minister's representatives in the field, have worked closely with the boards in consolidating administrative policies and practices. The role of the inspector has changed considerably over the past four years, with boards requiring and expecting leadership from inspectors in planning their operations, in verifying data for provincial grant purposes, and in determining policies and procedures. The inspectors are seen as an important and integral part of the boards' operations. They provide leadership and advice on all matters of public education and work on a regular basis with the senior staff of the boards in collecting data necessary for determining funding arrangements by the province and the local municipal units. The field offices also serve the public generally, providing an important public relations function.

During the year the inspectors were instrumental in arranging in-services for teaching staffs on the use of computers as instructional tools.

A joint committee on teaching effectiveness, with the Nova Scotia Teachers Union and the Nova Scotia School Boards Association, held workshops with the inspectors so that they, in turn, could work directly with school boards. Under the leadership of the Assistant Director of Inspection Services, the inspectors will be providing an important leadership service to the senior staffs of the boards in developing local policies and procedures on teaching effectiveness.

During the year, school system surveys were conducted in Digby and Hants West. The reports have been received by the boards and it is evident that the recommendations are assisting

them in determining long-range plans in their respective school systems.

To ensure that educational services and programs of similar quality are provided for all students, a number of the district boards have found it necessary to consolidate schools. These consolidations have resulted in the closing of East Pubnico Consolidated School, Argyle; Norman MacLeod School, Sydney Mines; and West Green Harbour School, Shelburne.

SCHOOL PLANNING AND CONVEYANCE

School Construction

Eight construction projects were completed, three of these being new buildings and five, additions to existing buildings. The three new schools contain 57 classrooms and nine specialist areas. The additions to existing buildings consisted of four additions to schools, and one addition to a school bus garage. The additions to schools contain 22 classrooms and 10 specialist areas and the school bus garage addition contains two new bays. The total number of new classrooms is 79.

New Buildings

Size of School	No. of Projects	Total Classroom
1- 9 rooms	—	—
10-19 rooms	2	25
20 or more	1	32

Additions

	No. of Projects
Elementary	5
Senior High	2
Other (school bus garage)	1

The following capital projects were approved during the year:

Date	School Board	School
Sept. 15/82	Cape Breton	St. Anne's: Addition
Sept. 21/82	Halifax County/Bedford	Cole Harbour Elementary
March 8/83	Richmond	St. Peter's Elementary
April 25/83	Halifax County/Bedford	Bell Park: Addition
May 31/83	Halifax County/Bedford	Musquodoboit Rural High: Renovations and Alterations
June 7/83	Halifax County/Bedford	Lower Sackville Elementary/Junior High
June 7/83	Pictou	River John: Addition and Renovations
July 12/83	Halifax County/Bedford	Beaverbank Junior High
July 12/83	Kings	Port Williams Elementary: Addition

Pupil Transportation

A revised financial funding formula was implemented during the school year. The new formula is based on a system of weighted eligible students and comprises several components: 1) a basic transportation grant; 2) an exceptional student grant; 3) an auxiliary curricular transportation grant; 4) a capital replacement grant; and 5) a debt service grant.

Staff continued to be involved in conducting comprehensive conveyance system studies for school boards in an effort to streamline school conveyance operations, to improve service, and to reduce pupil transportation costs.

The division participated in several in-service training sessions for school bus drivers and school bus maintenance staffs. School Bus Safety Week, sponsored by the Canada Safety Council and the Nova Scotia Safety Council, was promoted in conjunction with assisting in the development of safety programs. The Advisory Committee on School Bus Safety continued to focus attention on increased public awareness of school bus safety.

Staff participated in the Thirteenth Annual Pupil Transportation Conference which was organized for the first time by the Supervisors of Pupil Transportation employed by the school boards. The 1982 Dr. H.M. Nason Achievement Award was presented to the Colchester-East Hants District School Board, while the second place award was presented to the Queens District School Board.

3. EDUCATION PROGRAMS

ADULT EDUCATION

Trades and Technology Education

Trades and technology education for youth and adults continued to be offered through the Nova Scotia Institute of Technology, the Nova Scotia Land Survey Institute, and the Nova Scotia Nautical Institute. Programs were offered at both the certificate (10-month post-secondary) and diploma (20-month post-secondary or 48 continuous weeks) levels to meet both provincial and national needs for paraprofessionals in engineering technology, medical and dental technologies, surveying and mapping technologies and the marine transport field. A computer technology program was offered this year at a post-diploma level. The remote sensing program was restructured into a 48-week format. Computer-assisted-design and computer-aided-manufacturing equipment was acquired through the Skills Growth Fund and is being integrated into the engineering technologies.

Apprenticeship programs continued to be offered to meet the needs determined by the Department of Labour and Manpower Apprenticeship branch. A marine fitter program was initiated and the conversion of carpentry, bricklaying and cooking programs to the modular concept was continued. Apprenticeship programs were arranged with the University College of Cape Breton, and several other apprenticeship programs were provided within the Adult Vocational Training Centres and modules to meet the needs in specific areas of the province.

Correspondence Courses

The correspondence study service, operated through Extension Services of the Nova Scotia Institute of Technology, continued to offer public school and technical correspondence courses.

There were 319 senior high school course examinations written during the year, 242 successfully. The grade 9 geography course was revised and the courses, Canada Studies 321 and Physics 431, were added. During the year there were 2,386 additional registrations and 445 completions in public school correspondence courses.

Two new technical correspondence courses, Physiological

Chemistry and Coastal Navigation, were added. During the year there were 349 additional registrations and 92 course completions in technical correspondence courses.

Evening Courses

During 1982-83, Extension Services at the Nova Scotia Institute of Technology offered 22 evening courses to the public. The response was excellent and 741 students enrolled in a total of 54 classes.

Classes were held in co-operation with the Nova Scotia Nautical Institute, Halifax Amateur Radio Club, Nova Scotia Safety Council, the Armed Forces and the Canadian Society of Laboratory Technicians, Nova Scotia Branch.

Adult Vocational Education

A wide variety of occupational and academic upgrading courses sponsored by the federal government under the National Institutional Training Program were offered at the Dartmouth and Cape Breton Adult Vocational Training Centres and at more than 20 other locations (modules) throughout the province during 1982-83. Of the 3,812 people enrolled in these courses, 1,655 (43.4 per cent) were females.

During 1982-83 the National Training Act was introduced, replacing the Adult Occupational Training Act. Because the new Act focuses primarily on the national labor market, a number of program changes were made, characterized by the reduction or elimination of lower level courses and the introduction or expansion of higher level skill courses. This trend is expected to continue over the next few years.

Arrangements for training were also made with 11 private schools throughout Nova Scotia for a total of 604 students referred by the Employment and Immigration Commission.

Skill development, academic upgrading and employment preparatory courses were also offered at the Springhill Medium Security Institution in accordance with a contract with the Solicitor General's Department. Enrolments totalled 578 in these courses during the year.

The Disabled Persons Training

The Disabled Persons Training Program operates in accordance with provisions of the Vocational Rehabilitation of Disabled Persons Agreement. This agreement, made between the federal Department of Health and Welfare and provincial Department of Social Services, makes provisions, on a cost-sharing basis, for the training necessary for the rehabilitation of disabled persons. The Disabled Persons section of the Adult Education program is responsible for making these training arrangements.

During 1982-83, 62 adults were placed in university, 133 in non-university courses, and two in training-on-the-job situations, while 71 were given academic upgrading courses.

Program Services

Program Services is responsible for planning, organizing and developing learning resource materials for Trades and Technologies, Adult Vocational Education and the Apprenticeship Division of the Department of Labor and Manpower. It is also responsible for staff training, program evaluation, and administration of the Private Trade Schools Regulation Act.

Course Development and Evaluation

Program Services staff continued developing modular learning packages for three apprenticeship courses, and organized information from industry for the development of skill profiles in the electronic engineering technician and the welding technician programs. Program evaluation was directed towards the establishment of an evaluation procedure for the Medical Laboratory Technology program, and effecting an evaluation of the Micmac Teacher Education Program at the Nova Scotia Teachers College.

Assistance was given to the Nova Scotia Power Corporation in identifying trade skills in one of their training programs.

Private Trade Schools and Staff Development

There were 23 private trade schools and 13 correspondence schools registered in Nova Scotia. Monitoring of trade schools was carried out on a periodic basis to ensure that the courses offered were operated in accordance with established procedures.

Staff development during the year was conducted chiefly in the form of in-house activities, drawing frequently on knowledgeable persons from other organizations such as the Nova Scotia Commission on Drug Dependency, and using films and staff members from Continuing Education.

Continuing Education — Field Services

Through its Continuing Education Program, the department assisted the school boards in providing educational services to 24,807 adults enrolled in public school continuing education classes. School boards engaged 61 administrators, of whom six were employed full-time.

Interest in community schools has continued, with grant assistance and consultation service from the department. Seventy community schools were in operation with approximately 37,780 persons enrolled during the year.

The department assisted with 15 workshops for the training of volunteer reading aides. Two hundred and twenty persons received training under the program and approximately 400 persons received literacy tutoring. In addition, literacy materials were provided to literacy councils organizing their own training programs.

Regional staff provided consultative services to 22 school boards; made available counselling and advisory services to 3,682 persons visiting regional offices and to 15,488 persons by telephone; provided educational services to 101 regional and provincial organizations; provided consultation and administered funding to 50 community education projects, not including community schools, with an enrolment of over 5,000; arranged for General Educational Development Tests for 2,718 persons; assisted with the organization of 101 regional and provincial conferences; and organized 74 supervisory and business management courses with 1,032 persons enrolled. Increased support has been provided to senior citizens through the medium of pre-retirement seminars and consultative services to senior citizens' groups.

TEACHER CERTIFICATION

A total of 840 experienced teachers received higher certificates on the completion of further study. Regular certificates, special certificates, and permits were issued as follows:

Teacher's Certificates, Class 8	48
Class 7	177
Class 6	577
Class 5	1,344
Class 4	474
Class 3	61
Class 2	23
Class 1	5
Regulation 77 A & B	27
Vocational Teacher's Certificates	58
Teaching Permits	7
Vocational Teaching Permits	32
TOTAL	<u>2,833</u>

NOVA SCOTIA TEACHERS COLLEGE

On May 21, 1983, at the 128th graduation of teachers from the Nova Scotia Teachers College, a total of 105 students received their Associate in Education diplomas and certificates to teach in the school system of Nova Scotia. This number included 16 who graduated from the Micmac Teacher Education Program. Although job prospects, not only in Nova Scotia but all across Canada, were not encouraging for teacher education graduates, applications for admission to teacher training programs at the College greatly outnumbered the 120 places available, in some programs by three to one. This was true in the fall of 1982 and it appears that it will also be the case in 1983.

Enrolment Figures, 1982-83

Preservice A.Ed. diploma program:

Total number in the five regular programs	320
Returning students	5
Micmac Teacher Education Program	<u>17</u>
Total enrolment, Teacher Education	342

Continuing Education:

Evening Extension	605 registered in classes, or 121 full-time equivalent
Summer School	580 registered in classes, or 116 full-time equivalent
Total	1,185 registered in classes, or 237 full-time equivalent

Registered in short courses of various kinds: 131

The lack of permanent teaching opportunities for graduates was a continuing concern this year, although it is recognized that jobs are scarce in most occupations. Teacher-candidates were well aware of the employment situation, and were prepared to wait for positions. While waiting, they have tended to volunteer as teacher-aides, sign up for substitute teaching, or take temporary jobs in another line of work. While they were at the College, they received training in seeking career options, and many volunteered for training and experience in human services other than teaching.

The need for restraint on expenditures required curtailment of operating and capital expenses, and an increase in revenues through raising room, board and tuition fees and levying and raising fees for use of the College facilities. An Enersave Program was responsible for keeping down heat and electricity costs, in spite of price increases for these services.

The joint University-Teachers College B.Ed. degree program saw the second group of College students graduate from the following universities: St. Francis Xavier, Dalhousie, Nova Scotia College of Art and Design, Saint Mary's, Mount Saint Vincent, Acadia. The program appears to be working well, with most graduates having little trouble handling university courses.

Since teachers are now being encouraged to get a degree for certification up-grading, rather than taking an integrated program, the demand for continuing education credit courses was somewhat less and there were 40 fewer registrants in evening extension and summer school credit courses. Short, non-credit sessions, however, are being devised to answer specific needs; for example, in the areas of computers-in-education and stress management. The number of in-service sessions requested of faculty members changed very little, even though it became necessary to ask the school board requesting the in-service to cover the cost of travel. Several in-service sessions were held at the College with close co-operation between the Public School Operations personnel of the Department and the Teachers Col-

lege staff.

The review of the College program, noted in last year's report, continued. The main accomplishments were the assembling of scope and sequence descriptions of the present program, and the identification of effective teacher characteristics in order to create an instrument with which to analyse the present program, with a view of making recommendations for improvements. Through the College's Program Council, many regulations and policies were reviewed and revised.

EDUCATION RESOURCES SERVICES

Nova Scotia Museum

Twenty-one Nova Scotia Museum branches were open to the public during this period; two in Halifax and nineteen around the province. A twenty-second branch, the Shand House in Windsor, was acquired with opening planned for 1985. The Shand House contains its original furnishings from 1890, which include many from the Windsor Furniture Factory.

Other highlights included the opening of the Williams Dory Shop in Shelburne by the Prince and Princess of Wales, and the completion of "The Hall of Inshore Fishery" at the Fisheries Museum of the Atlantic in Lunenburg. The 18th century portrait of the Honourable Michael Francklin, painted by John Singleton Copely, was acquired for Uniacke House. It was repatriated from London under the Federal Cultural Property Export and Import Act, and reinstated where it had hung for 100 years before its removal in 1927. All 21 museum branches were described for the first time in a promotional brochure. Total attendance for the complex was in excess of 600,000.

Operating grants and a program of advice and assistance were provided to 13 year-round museums and 33 seasonal exhibit centres throughout the province. Among the projects assisted were a major renovation project at the Colchester County Museum and the building project and staff training at the new Black Cultural Centre. Thirty temporary and travelling exhibits were circulated by the museum to 15 different centres, including two outside Nova Scotia.

In Halifax, redesign of the Summer Street bilingual exhibit hall continued with the incorporation of many artifacts from the old Citadel Hill collections and a greatly expanded Micmac display. The major in-house temporary exhibit was the summer

showing of the King's College collection of Weldon ceramics.

The entering of the history collections into the computerized national inventory in Ottawa continued. With the purchase of a microcomputer, the computerized inventory of the science collections was begun.

One major research project was the archaeological excavation of an Acadian pre-expulsion site at Belleisle, Annapolis County. This was entirely funded from privately-generated funds. Findings will be used in many ways, including a school television film on Acadians for showing in Maritime schools.

Publications included the working draft of *The Natural History of Nova Scotia*, *The King's Bounty*, and a reprint of *The Flora of Nova Scotia*. An earlier publication, *Micmac Quillwork*, received the 1983 Canadian Historical Association Award of Merit. Various articles and papers were published in scientific, historical and educational journals, two copies of *The Occasional*, an "Info" on salamanders, and the 1982-83 *Learning Resources Catalogue* were produced. One issue of the department's *Journal of Education* was devoted entirely to museum education.

The Summer Street school program, taught by volunteer museum teachers, was provided to 9,000 students in nine subject areas. Another 9,000 students visited the Summer Street building for self-tours. The total number of school visits throughout the complex was 45,714. School loans of museum kits, distributed from 15 provincial depots for use in classrooms, were up by 15 per cent overall. A mineral testing kit was added to the list of museum resource materials available to teachers province-wide. The translation of such materials into French is continuing.

Liaison with other organizations included lectures by Museum staff at local universities, historical and scientific societies and community groups, and provision of information to various national and international museums, researchers, land-use developers, societies, government departments, teachers and members of the public.

Education Media Services

Demands for media resources continued to grow. Although the film library was able to accommodate 3,000 more bookings this year, for a total of 66,060, the demand for films also reached a record, there being 104,000 requests. In an effort to accom-

moderate more bookings, 320 film prints were added to the holdings.

The videotape library now has 1,865 titles and a revised catalogue is soon to be distributed. During the last school year, over 1,400 hours of video programs were copied for use in the public schools, adult training institutions and other government departments. This represents approximately 4,000 programs.

Additions to the video library included programs which were produced in the Education Media Services video studio, 40 programs which were purchased, 50 films transferred to videotape masters, and 76 programs donated by such agencies as the CBC, NATO, and UNICEF, as well as by a number of private corporations.

The department continued its production and transmission arrangement with the CBC. This service was used to transmit some 20 series of programs to be used as resources to support language arts, social studies, art, physical education, French, guidance and health, at the elementary level. Under the production agreement, education departments of the other two Maritime Provinces, along with the Council of Maritime Premiers, participated with Nova Scotia in the production of two programs entitled *La Survivance* which were designed to portray the life of an Acadian family in the nineteenth century.

These programs, which are part of a five-program series, were produced in French at Caraquet with costs shared by the three departments, the Council of Maritime Premiers, the CBC, and the Secretary of State. A radio series on the use of photographs in the study of history entitled *The Past In Focus* was also co-produced with the CBC under the aegis of the Council of Ministers of Education.

Sound filmstrips have long been an important medium for schools and Media Services' staff have now developed a team approach to the production of these. During the year under review, a kit of six filmstrips on special education was completed and distributed, and work was advanced on six other filmstrip projects. Two of these were done in co-operation with the other Maritime departments.

Audiotape programs continue to be useful to schools and Media Services was asked to duplicate 2,768 tapes.

Schools depend heavily on the equipment repair services as was evidenced by the 2,097 items which were received for repair.

Although the graphics and photographic sections are an integral part of the production team for media kits, the bulk of their

work is in support of Museum programs. The print shop, which is a part of the graphics unit, was responsible for turning out over one million printed impressions.

Provincial Library

In October, 1982 the Provincial Library embarked upon a 15-month pilot project with the National Library of Canada, under which the Provincial Library has been given free access to DOBIS, an automated library system used by the National Library and a growing number of federal government libraries. This project marks the first extension of DOBIS beyond federal government departments in the Ottawa-Hull area.

At the Provincial Library, the use of DOBIS has had a significant impact on two operations — the Nova Scotia Union Catalogue and the interlibrary loan service. New location reports to the Union Catalogue, a central file of the holdings of all major and many smaller libraries in the province, are being entered on-line to the DOBIS database, making them instantly accessible throughout the DOBIS network. Since the beginning of the project, approximately 21,000 locations have been added to the system and maintenance of the formerly manual Union Catalogue has become much quicker and more efficient.

In addition, DOBIS provides direct on-line access to the Canadian Union Catalogue, maintained by the National Library. This has permitted the expansion of the interlibrary loan service to include national, as well as Nova Scotian locations. Thus, patrons have faster and wider access to other library collections across Canada, increasing the likelihood of their requests being filled satisfactorily.

The Provincial Library continued co-operating with the Dalhousie University School of Library Service and welcomed the School's first-year students in November, explaining to them the services and the structure of the provincial library system.

Public Library Services

Two additional branch libraries opened during the year, bringing the total to 64. Two bookmobiles were phased out, decreasing their number to 17. The Western Counties Regional Library completed their five-year plan of establishing branch libraries with the opening of the Westport Branch in June, 1983 and completely ceased bookmobile service in March, 1983. Those people who

cannot reach one of the nine branches are served by mail. Halifax County Regional Library dropped one of its three bookmobiles late in 1982 and has implemented a books-by-mail program to complement the remaining bookmobile service. Halifax City Regional Library Board opened the Spryfield (Mainland South) Library in June, 1983.

The Talking Book Service was used by approximately 500 print-handicapped persons who obtain this service through their local public libraries, and borrow about 24,000 titles annually.

The Multilingual Bibloservice, with books in languages other than English and French provided by the National Library of Canada, continued to be very popular. Volumes totalling 2,500 in a record number of languages — 27 — are available in Nova Scotia public libraries. The most popular continue to be Dutch, German, Spanish and Vietnamese.

Reference Services

The Nova Scotia Union Catalogue was maintained manually for five months of the report year and for seven on DOBIS. Accessions received totalled 46,777 and, at year's end, there was no significant backlog awaiting editing. The use of DOBIS enables staff to maintain the Union Catalogue quickly and efficiently.

The introduction of DOBIS entailed a complete revamping of the interlibrary loan service. Although the wider service being provided by the use of DOBIS and UTLAS has increased the searching workload, it has decreased the verification workload significantly. Previously, almost all verification was done manually — a costly and time-consuming process. Now 25 per cent of requests requiring verification are verified during the DOBIS search process. Interlibrary loan searches totalled 30,133, with an increase of 2,000 during the last six months over the same period last year.

The *Directory of Nova Scotia Libraries* was revised and requests for it were received from as far away as British Columbia. It is planned to update the Directory annually.

The trend to purchasing materials in microform continued. Considerable money and space savings result from this; for example, the National Union Catalogue of Books, produced by the Library of Congress, is now being purchased in microfiche, resulting in a saving of over \$1,000. In addition, these microform tools are more up to date than their hard copy equivalents.

Reference Services co-operated with the Public Legal

Education Society in providing assistance to public and school librarians in answering legal reference questions.

A statistical study was presented to the regional librarians in June, 1983. This gave a detailed breakdown of each region's reference and interlibrary loan traffic, and profiled subject areas in which the region's collections appeared weak.

During the report period, 1,171 reference requests were answered, 44 per cent of which required detailed treatment. The overall success rate was 96 per cent. Online searches totalled 744, with a success rate of 90 per cent.

School Libraries

The positive effects of the Report of the Minister's Task Force on School Libraries, released in October, 1981, became more obvious during this period, with increased requests for assistance, especially from districts where school library development was in the early stages.

The Co-ordinator of School Libraries prepared information packages, and held planning and work sessions with administrators and school library personnel in Cape Breton, Clare-Argyle, Guysborough, Hants North, Hants West, Inverness, Lunenburg, Pictou, Richmond, Queens and Yarmouth. Information and materials were also provided to the Eskasoni School in Cape Breton.

Following recommendations of the Minister's Task Force, the Department of Education Committee on School Libraries, chaired by the Co-ordinator of School Libraries, was appointed and held its organizational meeting.

Other activities of the Co-ordinator included participation in the Department of Education's Survey of the Hants West District system, work on various projects in co-operation with a number of library and educational organizations, and provision of information for the Ministerial Advisory Committee on Canadian Regional Publishing.

Technical Services

Once again, Technical Services had an increase in the number of volumes processed and titles catalogued for regional public libraries and the Provincial Library. The 53,379 volumes processed represented an increase of 4.5 per cent over the 1981-82 total. New titles totalling 13,497 were catalogued and classified, an increase of 7.7 per cent.

This was the first full year of COMCAT, the bimonthly, computer-produced microfiche catalogue of Regional Public and Provincial Library holdings. Reports from these libraries indicate a positive reaction from both staff and public users. One result has been a dramatic increase in interlibrary lending between the regional libraries.

Statistical Summary

Libraries served	10 Regional Public Libraries 1 Provincial Library
New titles catalogued	13,497
Repeat titles	9,927
Total titles	23,424
Total volumes processed	53,379

ETHNIC SERVICES

This year, as in the past, Ethnic Services has focused attention on areas involving curriculum, learning materials and resources, teacher preparation, school organization and methods, and school-community relations. Meetings have been held with ethnic groups, community organizations, educational and cultural institutions, and municipal, provincial, and federal government departments and agencies to ensure that the educational services provided by the section are appropriate in light of the needs, priorities, expectations, aspirations and interests of the various ethnic, cultural and disadvantaged groups in our province.

Some noteworthy activities of this section over the past year have been: facilitating the formation of the Nova Scotia Multiculturalism in Education Committee; assisting in the formation of the Canadian Council on Multicultural and Intercultural Education; continued participation in the preparation of a human rights booklet as a guide for Nova Scotia teachers, along with development of human rights education as part of future teacher preparation; sponsoring and/or facilitating the production of research publications on different ethnic groups in Nova Scotia; continuing the examination of learning materials for racial and sexual bias; on-going collaboration with organizations involved in producing ethnocultural, descriptive learning materials, especially on Blacks and Micmacs.

The staff of Ethnic Services has continued, as well, to participate actively at the local, provincial, regional and national levels, in workshops, lectures, seminars and conferences whose themes or programs involve human rights education, ethnic studies, multicultural studies, and international education.

PUBLICATION AND REFERENCE SERVICE

Information was provided in response to telephone and written inquiries and questionnaires from students, teachers, parents, the news media, other education departments or institutions, and the general public.

Publicity was arranged, and planning and reporting services provided, for meetings and conferences of various provincial, regional and national organizations and groups associated with education.

General publications of the department included the annual directories of schools, the *Journal of Education* containing articles of general interest to teachers, and *Education of Nova Scotia* containing official notices, articles on departmental policies, and miscellaneous information for teachers.

Assistance was provided by the Publication and Reference section to other sections of the department in the production of curriculum documents, course calendars, and newsletters.

Announcements requiring rapid distribution among educators throughout the province were issued as mimeographed releases.

4. FINANCE AND BUDGETING

RESEARCH

Administration and Operation

Research and technical services were provided for the department, school boards, and educational committees, with the findings being used for planning, making policy decisions, and implementing those decisions.

To meet the growing demand for information and, as a result of the new funding system for public schools, Research is working to improve the accuracy and timeliness of information collected and processed. Part of this effort is being directed towards the revision of current procedures and forms in the collection and processing of information. New forms have been introduced to collect detailed information on school enrolments, transportation, and school finance, while redundant forms are being eliminated. Improved procedures are being established to ensure accuracy of all data.

Additional effort is being directed toward the full use of computer facilities now available. Staff members are being encouraged to train on, and use, the computerized equipment so that maximum benefits can be derived from the technology in meeting the demands for research information.

Testing Programs

The Nova Scotia Achievement Tests were again administered to all grade 9 and grade 12 pupils. These tests are designed to measure the attainment of knowledge and skills in five subjects in the core areas of curriculum. The educational authorities in the districts and individual schools use the results in their evaluation of the programs they offer, in curriculum development for their systems and in supplying information to individual students on their performance. Departmental staff held workshops with personnel from every district during the year to disseminate information on the testing program and to assist administrators and teachers in the use of the test results. A total of 22,278 pupils were tested this year.

The Nova Scotia Standards Project also continued this year, with a sample testing of students in grade 3. The test results will be reported to schools in a bulletin which will supply information

on how the results can be used to evaluate the effectiveness of programs, as well as to help individual pupils.

The General Educational Development (high school equivalency) program offers adults an opportunity to demonstrate and receive certification for academic knowledge and skills they have gained outside the formal school setting. A total of 2,314 adults wrote the tests this year and 1,562 or 68 per cent, achieved a grade 12 Equivalency Diploma.

PUBLIC EDUCATION GRANTS AND FINANCE

Public Education Grants and Finance is the division responsible for the co-ordination of provincial grants to the public school boards. These grants account for approximately 80 per cent of the department's ordinary expenditures.

Global funding is provided to school boards on a formula basis and special purpose funding is provided for special education, adult education, driver education, summer school, board of pupils, and capital equipment and minor repairs.

The division maintains close liaison with school board officials and performs audits and routine checks on expenditures of formula grants. The division's key functions are the collecting and analysis of timely and accurate information, the auditing of expenditures of non-global funds and the provision of financial advisory services to chief financial officers of school boards.

FINANCIAL MANAGEMENT

The Financial Management Section is responsible for controlling the internal financial operations of the department, co-ordinating the preparation of the department's budget presentation, and maintaining personnel records.

This section also operates the Nova Scotia Book Bureau, which is the storage and distribution centre for the over 3,500 texts and other learning materials prescribed for use in the public schools of Nova Scotia. The bulk purchasing procedures and central warehousing facilities of the Bureau ensure that these materials are made available to boards at the lowest possible cost. Further information describing the Bureau's operations is given in the statistical table section of this report.

TEACHERS' PENSIONS

The number of pensioners increased this year by 151 (4.2 per cent), for a total of 3,767.

The rate of interest for the school year commencing August 1, 1982, on contributions payable for the purchase of past teaching service, was increased from 13.15 per cent to 17.32 per cent per annum compounded semi-annually.

In accordance with the Regulations, all existing pensions were increased by six per cent effective January 1, 1983.

UNIVERSITIES AND COLLEGES

Operating grants to universities and colleges totalled \$134,062,414 in the 1982-83 fiscal year, compared to \$116,762,923 in the preceding year. This represented an increase of \$17,299,491. Details are provided in the statistical tables included in this report. In addition, restricted grants totalling \$2,974,985 were provided for renovations, alterations and equipment, while a further \$9,094,310 in grants was paid to the universities to offset principal interest payments due to the province on outstanding capital loans.

Although no new capital loans were approved during the 1982-83 fiscal year, advances of \$1,830,096 were made on loans which had been approved in previous years. These represented the final advances on loans for the Carnegie Building at Acadia University, the Dalhousie University rink, the Nova Scotia College of Art and Design Keddy Building, and the McNally Building at Saint Mary's University.

Enrolments in universities and colleges in Nova Scotia in 1982 were as follows:

	1982-83	1981-82
Full-time enrolments		
Degree	21,087	19,477
Technical	975	906
Full-time equivalent of part-time enrolments (all degree students)	3,384	3,421
Totals	<u>25,446</u>	<u>23,804</u>

The increase of 1,642 in the total full-time equivalent enrolment to 25,446 from 23,804 represents a 6.9 per cent increase.

The differential fee for visa students was increased to \$1,000 for 1982-83 from \$750 the preceding year, while the number of full-time equivalent visa students increased to 1,691 in the current year compared to 1,188 in 1981-82.

Details of assistance to universities and the composite enrolments of full-time students and the full-time equivalent of part-time students for degree and technical students are given in the statistical tables of this report.

STUDENT AID

The Student Aid section of the department administers the Canada Student Loans Program and the Nova Scotia Bursary Program. Maximum financial assistance available to a student enrolled in the 1982-83 academic year was \$3,612, of which \$1,912 was in the form of a federally-guaranteed Canada Student Loan, while the remaining \$1,700 was a Province of Nova Scotia Bursary.

As a result of a review of the aid programs during the year, it was determined that there should be a different set of criteria for the provincial bursaries or grants than for the Canada Student Loans, which are repayable. One of these changes resulted in a revision of the awarding formula so that a student's assessed need would be met first by the maximum loan of \$1,912 before he or she became eligible for any of the bursary of \$1,700. The balance of need for students enrolled in courses exceeding 34 weeks duration would be in the form of a Canada Student Loan.

Personnel from the Student Aid Office continued their established practice of visiting the high schools throughout the province to ensure that graduating students were informed about the loan and bursary programs.

Further information on the student aid programs is included in the statistical tables of this report.

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SUMMARY OF STATISTICS 1982-83

	1982-83	Increase (Decrease) from 1981-82
School Boards (1982-83 Academic Year)¹		
Number of Boards (September 30)	22	(52) ²
Number of Schools (September 30)	577	(14)
Teachers (September 30)	10,961	(39)
Pupils (September 30)	179,302	(2,383)
Elementary (P-6)	93,269	(1,886)
Junior High (7-9)	43,696	(669)
Senior High (10-12 plus Business Education and Vocational)	39,387	293
Special Education	2,950	(141)
Pupil/Teacher Ratio	16.4	(0.1)
Average Class Size	23.8	(0.2)
Expenditures on Public School Education¹ (1982 Calendar Year)³		
Municipal Contribution	\$ 80,364,343	(\$2,097,002)
Other Board Revenues	13,367,676	10,844
Provincial Grants (operating & capital)	410,045,141	57,410,956
Total Expenditure	503,777,160	55,324,798
Per Capital Expenditure	586	61
Per Pupil Expenditure	2,810	341
Percentage of Provincial Grant to Total School Board Expenditure	81.4 %	2.8
Regional Vocational Schools (1982-83 Fiscal Year)⁴		
Number of Regional Vocational School Advisory Boards	11	—
Number of Schools	11	—
Teachers	422	(6)
Pupils	5,108	190
Pupil/Teacher Ratio	12.1	0.7
Vocational Expenditure Fiscal Year	\$22,323,118	\$1,592,707
Per Pupil Expenditure	\$4,370	\$155

¹Does not include the 11 regional vocational school advisory boards for the regional vocational schools operated by the Minister of Education.

²As a result of implementation of the recommendations of the Report of the Commission on Public Education Finance.

³Final expenditure by school boards as reported in school board financial statements and Department of Education records.

⁴For the 11 regional vocational schools operated by the Minister of Education. Does not include the three vocational schools operated by district school boards.

SUMMARY OF STATISTICS (continued)
1982-83

	1982-83	Increase (Decrease) from 1981-82
Adult and Post-Secondary Education Enrolments (1982-83)		
Continuing Education		
(Including Community Schools)	68,509	2,081
Students Sponsored by Canada Employment and Immigration and Canada Correctional Services	10,691	(1,007)
Nova Scotia Institute of Technology —		
Technology Courses	510	85
Nova Scotia Land Survey Institute	127	(13)
Nova Scotia Nautical Institute	3,757	1,892
Universities and Colleges		
(full-time equivalents)	25,446	1,642

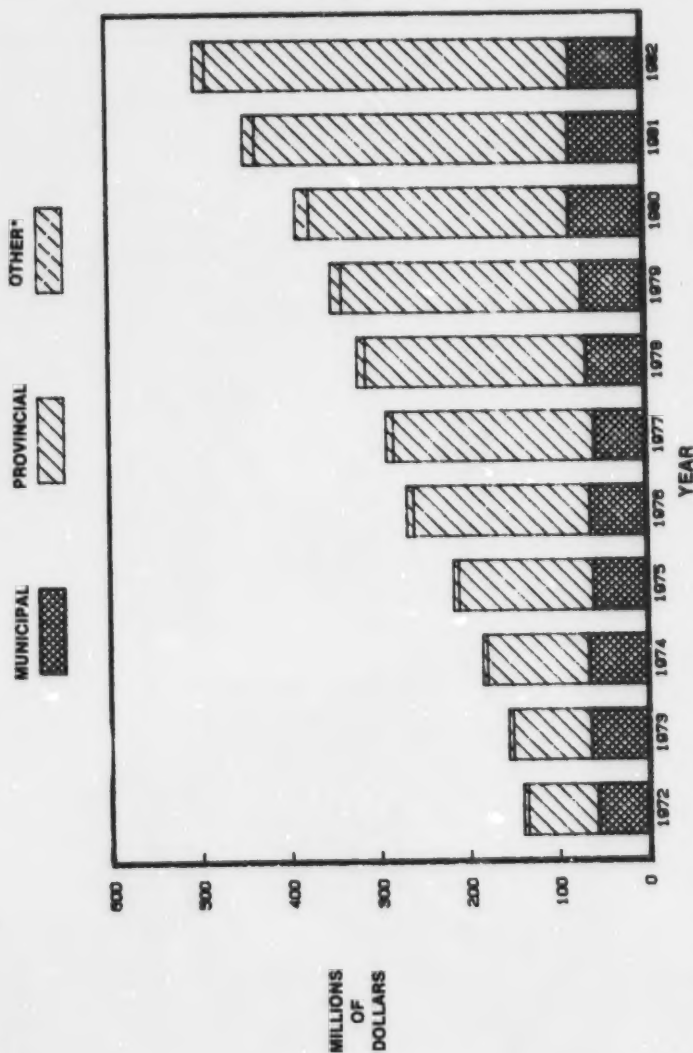
**SUMMARY OF GRANTS TO SCHOOL BOARDS
AND CALCULATION OF COST PER PUPIL
1978-1982**

Calendar Year	Number of Teachers Sept. 30	Enrollment Sept. 30	Provincial Grants	Municipal Appropriations	Other Board Revenues*	Total Funding	Cost per Pupil
1978	11,101	194,070	247,727,148	65,696,052	9,296,900	322,723,100	1,563
1979	11,072	189,258	269,852,270	69,728,230	12,070,200	351,650,700	1,858
1980	11,016	185,585	292,324,141	82,610,059	15,211,100	390,345,300	2,103
1981	11,000	161,685	352,634,185	82,461,345	13,356,832	448,452,362	2,466
1982	10,961	179,302	410,045,141	80,364,343	13,367,676	503,777,160	2,810

*Other Board Revenues includes board-generated operating revenue (e.g. rental of facilities, investment income), federal revenue (e.g. DND payments, French programs), tax rebates, payments from other boards, and revenue from reserves or prior surplus.

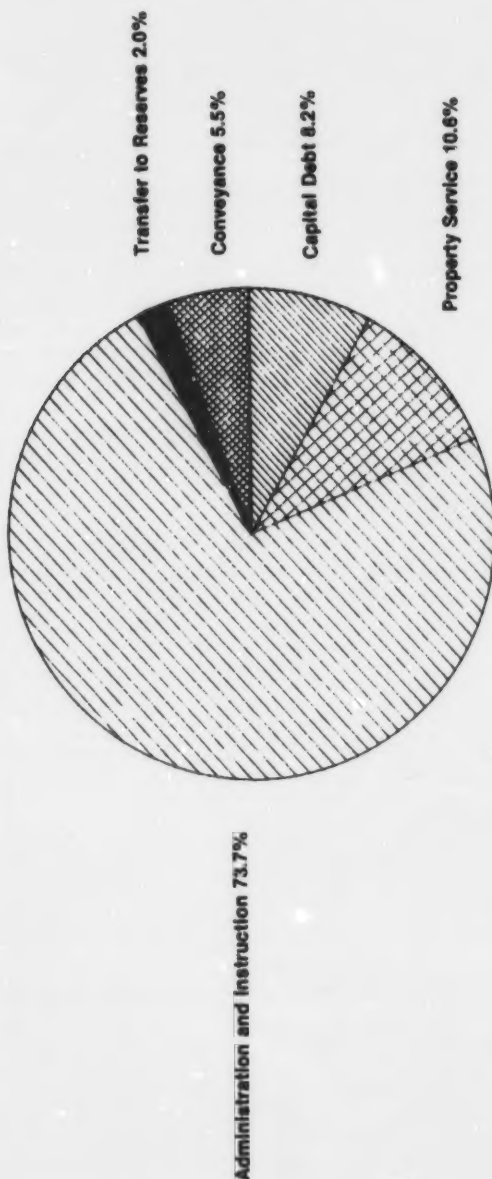
Does not include the eleven regional vocational school boards.

SCHOOL BOARD FUNDING 1972-1982

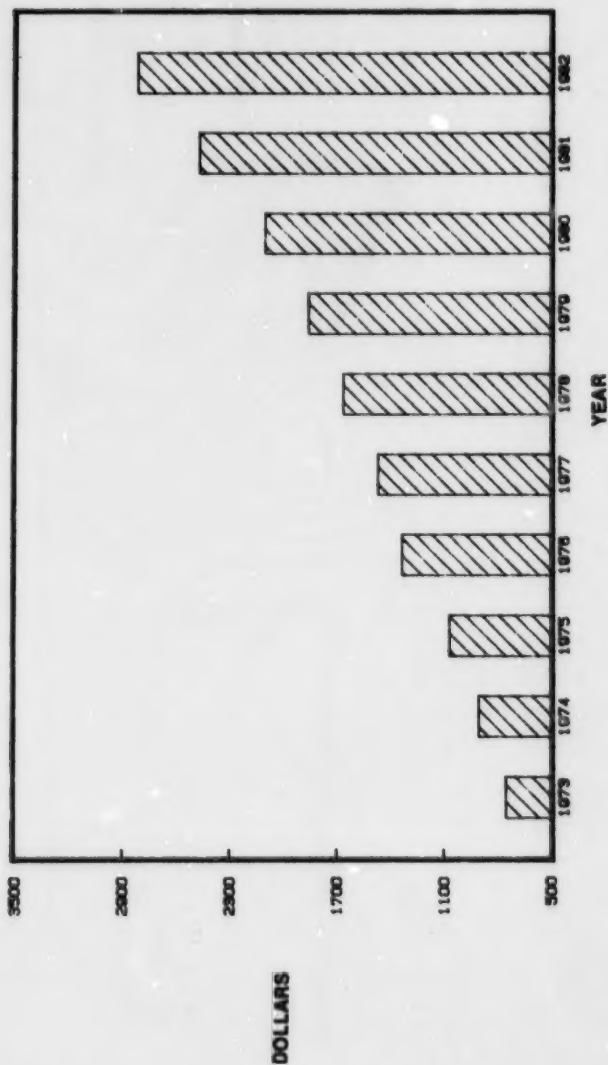


*Includes board-generated operating revenue, federal revenue, tax rebates, income from other boards, and revenue from reserves or prior surplus.

SCHOOL BOARD EXPENDITURES
1982 CALENDAR YEAR



Total School Board Expenditures: \$503,777,160

TOTAL EXPENDITURES PER PUPIL*
1973-1982

*Includes cost for operating and capital.

**DEPARTMENT OF EDUCATION
SUMMARY OF OPERATING EXPENDITURES
FOR THE PERIOD APRIL 1, 1982 TO MARCH 31, 1983**

Senior Management			\$ 1,022,539
Finance and Budgeting			
Student Aid	\$ 7,654,986		
Teachers Pensions	19,491,898		
Education Grants	425,227,831		
Nova Scotia School Book Bureau	4,953,771		
Other Activities	1,314,419	458,642,905	
Public School Operations			
Curriculum Development	4,049,972		
Regional Vocational Programs	22,323,118		
School Planning and Inspection Programs	1,224,875	27,597,965	
Education Program			
Adult Education	4,268,624		
Teacher Certification	320,689		
Education Resource Services	9,989,824		
Program Services	533,510	15,112,647	
Total Expenditure			\$502,376,056

NOTE: In addition to operating expenditures, total capital grants to district school boards and capital expenditures by the Department of Education were \$8,782,906.

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY
SEPTEMBER 30, 1962

Grade	Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over	Total
Primary	M	6,111	414	13	2													M 6,540
	F	5,768	261	5		1												F 6,063
	T	11,897	675	18	2	1												T 12,593
Grade 1	M	79	5,981	768	52	6	1											M 6,887
	F	61	5,842	404	21	5												F 6,133
	T	140	11,823	1,172	73	11	1											T 13,020
Grade 2	M		87	5,571	902	110	6	1										M 6,877
	F		132	5,433	503	45	1	1										F 6,115
	T		219	11,004	1,405	155	7	2										T 12,792
Grade 3	M			128	5,159	1,200	176	14	1	2								M 6,680
	F			183	5,347	677	101	8										F 6,316
	T			311	10,506	1,877	277	22	1	2								T 12,996
Grade 4	M				167	5,158	1,264	277	33	4	1							M 6,904
	F				210	5,474	696	127	18	1								F 6,526
	T				377	10,632	1,960	404	51	5	1							T 13,430
Grade 5	M				1	186	5,099	1,494	365	62	9	1	1					M 7,219
	F				3	246	5,425	837	156	27	5	1						F 6,700
	T				4	432	10,524	2,331	521	89	14	2	1					T 13,919

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY (continued)
SEPTEMBER 30, 1962

Grade	Age 5 and under	Age 5 and under																		21 and over	Total
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
Grade 6	M				3	225	5,207	1,452	386	58	16	2	1		1			M	7,351		
	F				1	275	5,640	912	208	34	4	1						F	7,075		
	T				4	500	10,847	2,364	594	92	20	3	1		1			T	14,426		
Elem EMH	M	2	3	24	48	55	75	73	79	40	11	2	3	2				M	417		
	F	2	6	19	25	34	42	44	34	17	11	3	1					F	238		
	T	4	9	43	73	89	117	117	113	57	22	5	4	2				T	655		
Elem TMH	M	12	15	20	18	13	21	18	12	9	9	8	5	7	2			M	169		
	F	2	4	14	19	9	16	15	11	7	7	6	5	7	5	6	1	F	134		
	T	14	19	34	37	22	37	33	23	16	16	14	10	7	12	8	1	T	303		
Elem Other	M	7	10	23	36	57	72	68	64	24	4	3	1	3	1	1		M	374		
	F	5	6	9	18	19	18	23	22	12	6	1			1			F	140		
	T	12	16	32	54	76	90	91	86	36	10	4	1	3	2	1		T	514		
Sub-Total Elem	M	6,211	6,510	6,547	6,385	6,788	6,939	7,152	2,006	527	92	30	12	6	7	5	1	M	49,218		
	F	5,856	6,051	6,067	6,146	6,511	6,574	6,695	1,153	272	63	15	7	7	5	7	1	F	45,430		
	T	12,067	12,561	12,614	12,531	13,299	13,513	13,847	3,159	799	155	45	19	13	12	12	2	T	94,648		

KEY

EMH - Educable Mentally Handicapped
 TMH - Trainable Mentally Handicapped
 Other - Special Education
 JHA - Junior High Adjusted
 Comm - Commercial

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY (continued)
SEPTEMBER 30, 1982

Grade	Age 5 and under	21 and over																	Total
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Grade 7	M					2	305	4,902	1,726	769	253	47	14			1	M	8,019	
	F						329	5,136	1,116	373	101	37	9	3		1	F	7,105	
	T					2	634	10,038	2,842	1,142	354	84	23	3		2	T	15,124	
Grade 8	M						1	250	4,367	1,693	910	251	51	10	2		M	7,535	
	F							318	4,854	1,243	530	133	30	3	2		F	7,113	
	T					1	568	9,221	2,936	1,440	384	81	81	13	4		T	14,648	
Grade 9	M							2	275	4,043	1,641	792	222	41	8	1	M	7,026	
	F							4	334	4,633	1,141	538	154	32	2	1	F	6,839	
	T							6	609	8,676	2,782	1,330	376	73	10	2	T	13,865	
JR EMH	M						6	11	65	77	72	37	16	5	3	1	M	293	
	F						5	5	29	30	26	19	5	7	2	2	F	130	
	T						11	16	94	107	98	56	21	12	5	3	T	423	
JR TMH	M							3	5	8	9	11	6	14	9	5	M	72	
	F						1	2	1	5	6	9	5	15	4	5	F	54	
	T						1	5	6	13	15	20	11	29	13	10	T	126	
JR Other	M						1	1	9	55	72	78	52	12	7	1	M	292	
	F						1	1	17	25	30	39	23	5	2	2	F	146	
	T						2	1	26	80	102	117	75	17	9	3	T	438	
Sub-Total JR	M					1	2	313	5,177	6,493	6,662	2,963	1,190	321	77	23	11	4 M	23,237
	F					1	1	336	5,482	6,359	6,314	1,843	759	208	62	12	9	1 F	21,387
	T					2	3	649	10,659	12,852	12,976	4,806	1,949	529	139	35	20	5 T	44,624

ENROLMENTS BY AGE, GRADE AND SEX
PROVINCIAL SUMMARY (continued)
SEPTEMBER 30, 1962

Grade	Age 5 and under	21 and over																	Total
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Sub-total district	M	6,211	6,510	6,547	6,385	6,789	6,941	7,465	7,184	7,027	7,032	7,186	6,839	6,236	2,485	818	247	136 M	92,038
	F	5,856	6,051	6,067	6,146	6,512	6,575	7,031	6,636	6,638	6,701	6,833	6,943	6,396	2,000	587	164	148 F	87,264
	T	12,067	12,561	12,614	12,531	13,301	13,516	14,496	13,820	13,665	13,733	14,019	13,782	12,632	4,485	1,385	411	284 T	179,302
V1	M																		
	F																		
	T																		
V2	M																		
	F																		
	T																		
V3	M																		
	F																		
	T																		
VOC Other	M																		
	F																		
	T																		
Sub-total Reg Voc	M																		
	F																		
	T																		
Grand Total	M	6,211	6,510	6,547	6,385	6,789	6,941	7,465	7,184	7,027	7,041	7,269	7,059	6,695	3,363	1,791	830	339 M	95,416
	F	5,856	6,051	6,067	6,146	6,512	6,575	7,031	6,636	6,638	6,704	6,840	6,989	6,573	2,650	964	485	247 F	88,994
	T	12,067	12,561	12,614	12,531	13,301	13,516	14,496	13,820	13,665	13,745	14,109	14,048	13,238	6,013	2,785	1,315	586 T	184,410

**ENROLMENTS BY SCHOOL BOARD*
1974-75 TO 1982-83**

School Board	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83
Annapolis	5,377	5,274	5,130	5,016	4,845	4,684	4,643	4,501	4,486
Antigonish	5,063	5,065	5,056	5,048	4,927	4,911	4,901	4,900	4,842
Cape Breton	27,756	27,080	26,477	25,639	24,887	24,119	23,441	22,909	22,371
Clare/Argyle	4,194	4,171	4,141	4,061	3,982	3,946	3,868	3,722	3,685
Colchester-E. Hants	13,899	14,050	14,229	14,143	13,894	13,573	13,268	13,266	13,257
Cumberland	8,298	8,274	8,134	7,973	7,858	7,641	7,418	7,238	7,167
Dartmouth	17,611	17,251	16,678	15,989	15,142	14,298	13,620	13,073	12,541
Digby	2,967	2,908	2,914	2,897	2,767	2,686	2,664	2,600	2,533
Guysborough	3,328	3,323	3,230	3,189	3,120	3,071	3,050	3,048	2,989
Halifax	23,406	22,555	21,753	20,811	19,788	18,798	18,156	17,348	16,902
Halifax Co.-Bedford	23,895	24,783	25,827	26,512	27,225	27,282	27,239	27,220	27,363
Hants West	4,258	4,305	4,246	4,172	4,080	3,916	3,884	3,701	3,616
Inverness	5,801	5,726	5,725	5,716	5,736	5,673	5,561	5,440	5,383
Kings	12,857	12,843	12,533	12,276	11,843	11,476	11,334	11,167	11,080
Lunenburg	8,883	8,978	9,072	9,075	9,051	8,943	8,837	8,752	8,714
Northside-Victoria	9,817	9,734	9,747	9,512	9,173	8,891	8,701	8,445	8,203
Pictou	11,728	11,691	11,652	11,525	11,377	11,303	11,352	11,153	11,138
Queens	2,955	2,988	2,948	2,970	2,938	2,875	2,786	2,728	2,686
Richmond	3,556	3,522	3,513	3,498	3,427	3,361	3,250	3,104	3,055
Shelburne	4,068	4,017	3,926	3,879	3,825	3,677	3,624	3,588	3,547
Yarmouth	4,018	4,022	3,983	3,932	3,863	3,820	3,680	3,545	3,486
Hantsport	406	373	358	346	332	324	318	237	278
Provincial Totals	204,112	202,893	201,272	198,019	194,070	189,258	185,585	181,685	179,302
Regional Vocational	4,211	4,176	4,695	4,825	4,645	4,854	4,893	4,918	5,108
Totals	208,323	207,069	205,967	202,844	198,715	194,112	190,478	186,603	184,410

*For the years prior to the formation of the district school boards, the figures represent the total enrolments in the areas now served by the district boards.

PUPIL/TEACHER RATIO BY SCHOOL BOARD*
1974-75 TO 1982-83

School Board	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83
Annapolis	17.7	17.1	17.8	17.7	17.3	16.5	16.6	16.1	16.4
Antigonish	18.1	17.6	18.5	18.3	17.8	17.5	17.6	17.6	17.7
Cape Breton	20.0	18.9	19.0	18.8	18.2	17.8	17.6	17.2	17.2
Clare/Argyle	18.5	17.4	17.7	17.2	17.1	16.8	17.0	16.3	15.9
Colchester-E. Hants	19.5	19.7	20.3	19.6	19.4	18.7	18.4	18.2	17.8
Cumberland	18.6	18.3	18.3	17.9	17.9	17.4	16.9	16.5	16.9
Dartmouth	18.8	17.8	18.1	17.4	16.9	16.2	16.1	15.8	15.0
Digby	17.8	17.0	17.9	17.4	16.8	16.9	16.5	16.0	15.8
Guysborough	19.0	17.7	17.3	16.8	16.3	16.3	16.2	16.1	16.0
Halifax	16.4	15.5	15.5	15.1	14.3	14.1	13.8	13.6	13.5
Halifax Co.-Bedford	17.8	17.6	18.7	18.1	17.4	17.3	16.8	16.4	16.7
Hants West	19.0	18.8	19.4	18.5	19.2	18.2	18.6	18.1	17.2
Inverness	17.0	16.5	17.0	16.3	16.5	16.3	15.8	15.2	15.7
Kings	19.2	19.8	19.2	18.8	17.7	17.1	17.1	16.7	16.6
Lunenburg	19.5	19.2	20.1	19.6	19.5	18.7	18.2	17.7	17.3
Northaloe-Victoria	19.6	18.9	18.1	17.5	17.5	17.2	17.2	17.2	16.7
Pictou	20.8	20.3	20.2	19.7	20.0	19.2	19.4	18.8	17.8
Queens	19.3	19.0	20.1	20.1	19.7	19.0	18.6	18.3	17.9
Richmond	16.0	15.5	16.3	16.0	15.4	15.0	14.8	14.0	14.5
Shelburne	20.1	19.2	18.8	18.6	18.5	17.7	17.5	17.5	17.6
Yarmouth	19.9	20.3	20.6	20.4	18.8	18.5	18.2	17.2	16.7
Hantsport	19.3	17.8	17.9	17.3	17.5	18.0	16.7	16.5	14.8
Provincial Totals	18.6	18.1	18.4	17.9	17.5	17.1	16.8	16.5	16.4
Regional Vocational	10.1	9.6	11.2	11.2	10.9	11.3	11.4	11.5	12.1
Totals	18.3	17.8	18.1	17.7	17.2	16.9	16.6	16.3	16.2

*For the years prior to the formation of the district school boards, the figures represent the ratios in the areas now served by the district boards.

**TEACHERS BY CERTIFICATE AND YEARS OF SERVICE
SEPTEMBER 30, 1982**

Certificate	Total	Years of Service										Max.
		1	2	3	4	5	6	7	8	9	10	
TC 8	352				2	2	2	1	6	7	11	321
TC 7	1,185	3	6	5	6	13	19	24	30	57	54	948
TC 6	3,661	21	42	56	63	92	139	126	188	261	237	2,434
TC 5	4,032	133	157	167	198	229	232	192	236	253	204	2,031
TC 4	1,095	44	66	55	57	57	39	28	41			708
TC 3	423		1	1	4	2	4	10				401
TC 2	206											206
TC 1	22											22
Permit	4											4
VP A	63	19	24	9	6	4	1					
VTC 4	123				1	4	3	3	6	5	7	94
VTC 3	68						2	2	4	4	2	54
VTC 2	155			2	2	6	2	12	5	3	3	120
VTC 1	14			1	1	2	2	1				7
Total	11,383*	220	296	296	340	411	445	401	516	590	518	7,350

*Includes teachers in the 11 Regional Vocational Schools. Excludes the following teaching positions: sabbatical leave, D.N.D., substitutes, Term B and C, Leave of Absence, Educational Leave, Sick Leave.

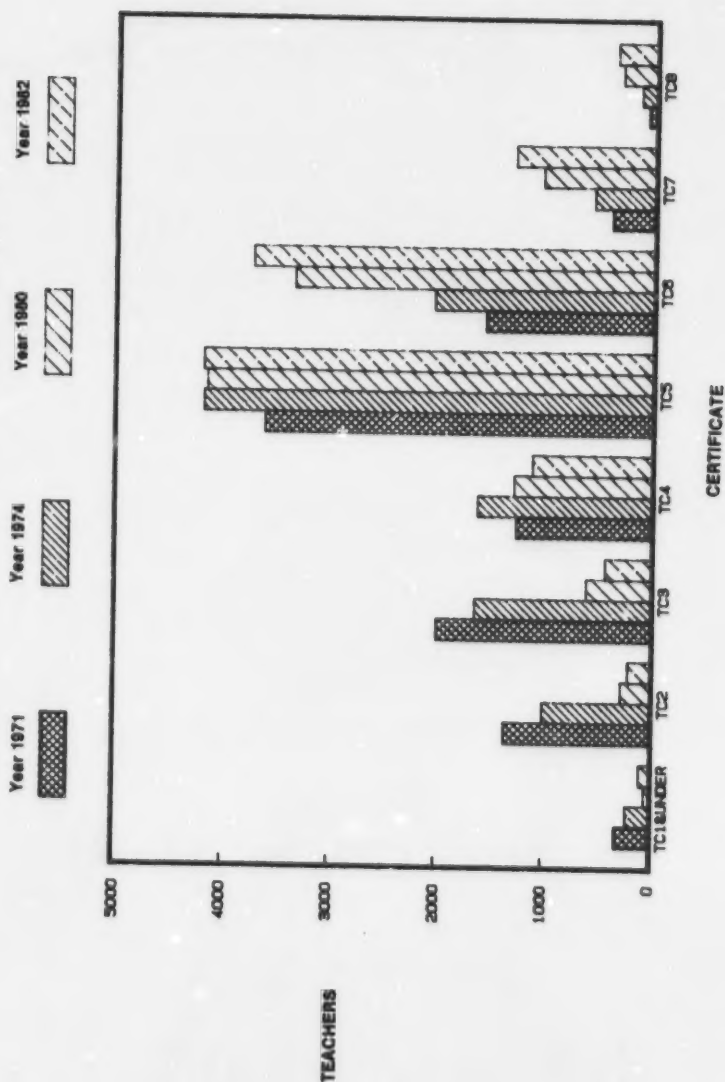
TEACHERS BY CERTIFICATE BY BOARD
SEPTEMBER 30, 1962

	Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	VTC4	VTC3	VTC2	VTC1	VTCA
Annapolis Dist. Sch. Bnd.	274	2	15	68	117	43	19	8	2						
Antigonish Dist. Sch. Bnd.	274	13	46	106	76	19	10	4							
Cape Breton Dist. Sch. Bnd.	1,301	68	161	549	366	72	41	24							
Cons. Clare-Argyle DSB	231	1	24	67	94	16	18	11							
Colchester-East Hants DSB	743	15	65	216	276	109	26	8	1		6	6	13		2
Cumberland Dist. Sch. Bnd.	425	2	16	107	183	72	26	14	1				2		
Dartmouth Dist. Sch. Bnd.	838	30	105	324	286	65	22	1	2				3		
Digby Dist. Sch. Bnd.	160	2	9	30	77	21	16	4					1		
Guysborough Dist. Sch. Bnd.	187	2	16	61	68	25	7	6					2		
Halifax City Dist. Sch. Bnd.	1,254	97	207	450	402	51	22	10	2			2	2		1
Halifax County — Bedford	1,642	45	175	522	676	148	49	17	3		1	2	2		2
Hants West Dist. Sch. Bnd.	210	2	16	66	84	25	8	8	1						
Inverness Dist. Sch. Bnd.	343	8	34	112	138	29	14	7	1						
Kings Dist. Sch. Bnd.	667	11	59	225	238	64	23	11	1	3	8	4	14	1	5
Lunenburg Dist. Sch. Bnd.	505	7	41	152	183	70	36	15	1						
Northside-Victoria DSB	491	14	53	154	157	48	26	20	4		1	2	9	1	2
Pictou Dist. Sch. Bnd.	625	9	48	190	254	77	29	17	1						
Queens Dist. Sch. Bnd.	151	2	12	37	64	28	2	5							

TEACHERS BY CERTIFICATE BY BOARD (continued)
SEPTEMBER 30, 1982

	Total	TC6	TC7	TC8	TC5	TC4	TC3	TC2	TC1	Permit	VTC4	VTC3	VTC2	VTC1	VTCA
Richmond Dist. Sch. Bd.	211	2	21	75	73	23	9	5						2	1
Shelburne Dist. Sch. Bd.	201	5	12	46	89	38	5	5						1	
Yarmouth Dist. Sch. Bd.	209	1	9	54	85	41	12	5	1	1					
Hantsport Bd. of Sch. Comm.	19		1	7	6	5									
Subtotal	10,961	338	1,147	3,618	4,012	1,095	420	205	22	4	16	16	50	5	13
Regional Vocational Schools	422	14	18	43	20		3	1			107	52	105	9	50
Provincial Total	11,383	352	1,165	3,661	4,032	1,095	423	206	22	4	123	68	155	14	63

TEACHERS BY CERTIFICATE FOR SELECTED YEARS



NUMBER OF TEACHERS BY BOARD*
1974-75 TO 1982-83

School Board	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83
Annapolis	303	308	289	283	280	284	280	279	274
Antigonish	279	287	274	276	277	280	279	279	274
Cape Breton	1,385	1,430	1,394	1,367	1,370	1,354	1,335	1,330	1,301
Clare/Argyle	227	240	234	236	233	235	227	228	231
Colchester-E. Hants	714	712	700	722	718	725	720	728	743
Cumberland	445	451	445	445	439	439	438	438	425
Dartmouth	936	970	922	911	895	884	848	827	838
Digby	165	171	163	163	164	159	161	163	160
Guysborough	175	188	187	190	191	188	188	189	187
Halifax	1,431	1,457	1,403	1,379	1,382	1,335	1,319	1,274	1,254
Halifax Co.-Bedford	1,342	1,411	1,378	1,467	1,563	1,573	1,623	1,661	1,642
Hants West	224	229	219	225	213	215	209	205	210
Inverness	342	348	337	350	348	349	351	357	343
Kings	670	650	654	653	669	671	664	684	667
Lunenburg	455	467	451	464	463	477	486	494	505
Northside-Victoria	501	516	538	543	524	509	505	492	491
Pictou	563	575	577	584	569	588	584	593	625
Queens	153	156	147	148	149	151	150	149	151
Richmond	222	227	215	219	222	224	220	221	211
Shelburne	202	209	209	209	207	208	207	205	201
Yarmouth	202	198	193	193	206	206	203	208	209
Hantsport	21	21	20	20	19	18	19	18	19
Provincial Totals	10,957	11,221	10,949	11,047	11,101	11,072	11,016	11,000	10,961
Regional Vocational	418	437	421	429	426	430	428	423	422
Totals	11,375	11,658	11,370	11,476	11,527	11,502	11,444	11,428	11,383

*For the years prior to the formation of the district school boards, the figures represent the number of teachers in the areas now served by the district boards.

TEACHERS BY CERTIFICATE, AGE AND MARITAL STATUS
SEPTEMBER 30, 1982

Certificate	Total*	MARITAL STATUS			AGE DISTRIBUTION												65 to 69	70 and over						
		Single	Married	Religious	20 to 24		25 to 29		30 to 34		35 to 39		40 to 44		45 to 49				50 to 54		55 to 59		60 to 64	
TC 8	352	60	282	10					34	82	95	56	43											
TC 7	1,165	224	915	26				33	238	337	212	141	117	60	27									
TC 6	3,061	917	2,710	34	28	373	1,142	905	479	290	229	138	74	1	2									
TC 5	4,032	1,142	2,867	23	222	887	1,171	728	380	252	216	117	55	2	2									
TC 4	1,095	231	859	5	137	202	237	171	134	88	66	34	24	2	2									
TC 3	423	57	363	3		7	93	74	94	59	43	32	17	4										
TC 2	206	25	180	1			3	18			41	48	49	18	29									
TC 1	22	2	20								1	4	9	3	5									
Permit	4		4																					
VP A	63	26	37																					
VTC 4	123	15	107	1	1	8	23	9	11	4	4	4	2	1										
VTC 3	68	4	64					2	13	28	27	20	24	9										
VTC 2	155	16	139						6	14	17	11	16	4										
VTC 1	14	3	11			1	5	17	30	26	25	37	14											
Total	11,363	2,722	8,556	103	388	1,512	2,952	2,362	1,520	1,013	835	510	277	9	5									

*Includes teachers in the 11 regional vocational schools.

*Includes teachers in the 11 regional vocational schools.

**TEACHING ASSIGNMENTS BY GRADES TAUGHT AND CERTIFICATE
SEPTEMBER 30, 1982**

Grade*	Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	VTCA	UTC4	UTC3	UTC2	UTC1
P - 6	4,948	62	254	1,338	2,075	746	291	161	21						
7 - 9	3,374	86	374	1,243	1,284	245	98	27		1	1	1	1	1	3
10 - 12	2,653	124	393	1,067	838	117	49	6		1	6	4		25	3
Aux	710	27	61	286	222	62	26	9	1	3	1	1	3	6	2
Voc	60		2	6	9	3									
7 - 12	5,024	180	673	1,937	1,760	285	112	28							
P - 9	7,849	134	577	2,421	3,173	947	374	185	21	1	1	1	1	1	3
P - 12	9,489	228	875	3,110	3,645	987	368	186	21	2	6	5	1	31	4
Board Supervisory Personnel (1)	196	35	83	59	20	1									
School Supervisory Personnel (2)	694	54	136	230	183	55	15	11	1		5		2		
Total	10,961	338	1,147	3,618	4,012	1,095	420	205	22	4	13	15	16	50	5

*Grade categories overlap; e.g., a teacher of grades 6 and 7 is reported under the categories 7-9, 7-12, P-9, and P-12.

Teachers in the 11 regional vocational schools are not included.

(1) e.g., chief education officer, curriculum supervisor, sub-system supervisor.

(2) e.g., non-teaching principal, vice-principal

**TEACHERS BY CERTIFICATE AND DEGREE
SEPTEMBER 30, 1982**

Certificate	No. of Teachers	Percentage with Degrees
TC 8	352	96
TC 7	1,165	94
TC 6	3,661	78
TC 5	4,032	64
TC 4	1,096	13
TC 3	423	—
TC 2	206	—
TC 1	22	—
Permit	4	50
VPA	63	—
VTC 4	123	31
VTC 3	66	—
VTC 2	155	—
VTC 1	14	—
Total	11,383	62

**RATIO OF ADMINISTRATORS, SPECIALISTS, AND REGULAR TEACHERS
PER STUDENT
SEPTEMBER 30, 1962**

District	ADMINISTRATION			SPECIALISTS			REGULAR			Total	PTR
	No.	%	PTR	No.	%	PTR	No.	%	PTR		
Annapolis	30	10.9	150.2	63	23.0	71.5	181	66.1	24.9	274	16.4
Antigonish	27	9.9	179.9	68	24.8	71.4	179	65.3	27.1	274	17.7
Cape Breton	148	11.4	151.2	288	20.6	83.5	885	68.0	25.3	1,301	17.2
Clare-Argyle	29	12.6	126.8	34	14.7	108.2	168	72.7	21.9	231	15.9
Colchester E. Hants	72	9.7	184.6	166	22.3	80.1	505	68.0	26.3	743	17.9
Cumberland	42	9.8	170.9	103	24.2	69.7	280	65.9	25.6	425	16.9
Dartmouth	88	10.5	142.5	205	24.5	61.2	545	65.0	23.0	838	15.0
Digby	16	10.0	159.1	30	18.8	84.8	114	71.3	22.3	160	15.9
Guyaborough	23	12.3	130.4	50	26.7	60.0	114	61.0	26.3	187	16.0
Halifax	129	10.3	131.0	325	25.9	52.0	800	63.8	21.1	1,254	13.5
Halifax Co.-Bedford	161	9.8	170.0	416	25.3	65.8	1,065	64.9	25.7	1,642	16.7
Hants West	14	6.7	258.7	52	24.8	69.7	144	68.6	25.2	210	17.2
Inverness	37	10.8	145.5	70	20.4	76.9	236	68.8	22.8	343	15.7
Kings County	51	7.6	219.1	167	25.0	66.9	449	67.3	24.9	667	16.7
Lunenburg County	48	9.5	181.6	114	22.6	76.5	343	67.9	25.4	505	17.3
Northside-Victoria	52	10.6	156.2	103	21.0	79.8	336	66.4	24.5	491	16.7
Pictou	57	9.1	195.6	138	22.1	80.8	430	68.8	25.9	625	17.8
Queens	15	9.9	180.1	30	19.9	90.0	106	70.2	25.5	151	17.9
Richmond	26	12.3	117.5	48	22.7	63.6	137	64.9	22.3	211	14.5
Shelburne	21	10.4	169.9	44	21.9	81.1	136	67.7	26.2	201	17.8
Yamouche	22	10.5	158.8	46	22.0	76.0	141	67.5	24.8	209	16.7
Hantsport	1	5.3	278.0	5	26.3	55.6	13	68.4	21.4	19	14.6
Total*	1,109	10.1	161.9	2,545	23.2	70.6	7,307	66.7	24.6	10,961	16.4

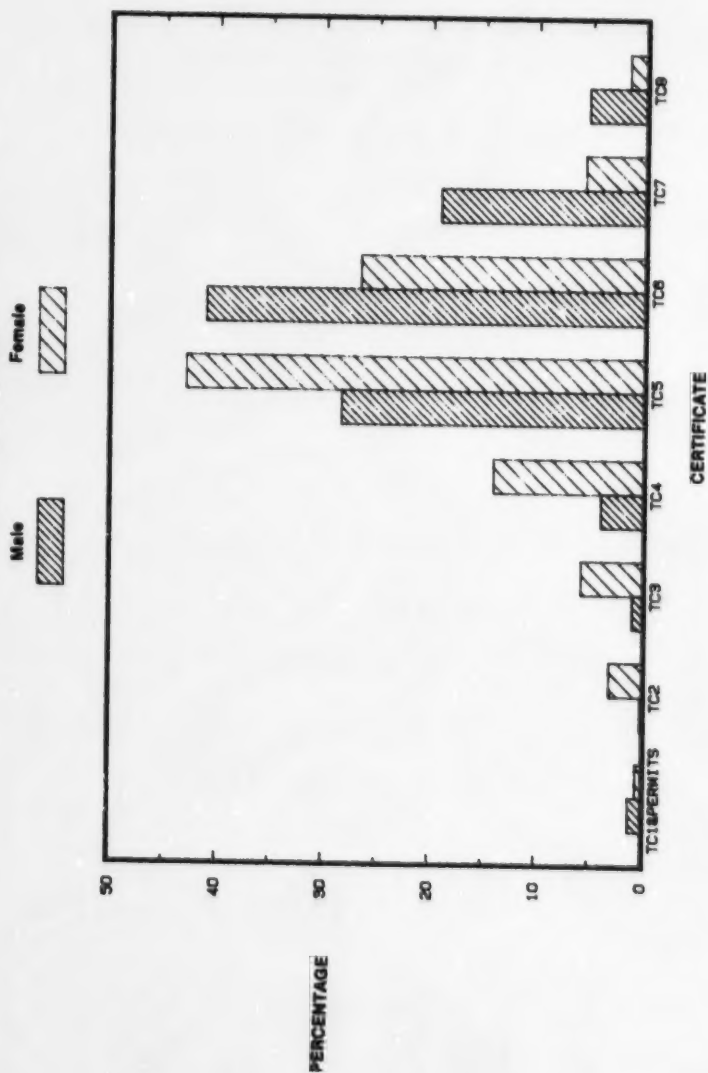
ADMIN = Suptn., Asst. Supt., Princ., Vice-Princ., Supr., Guid. Dir., Sys. Cons., Registrar, Cont. Educ., Pupil Services Co-ord.

REGULAR = Regular, Dept. Head, Term A, Min. Lang., Home Visit.

SPECIAL = Home Economics, Industrial Arts, Music, Physical Education.

*Teachers in the 11 regional vocational schools are not included.

PERCENTAGE DISTRIBUTION OF TEACHERS BY CERTIFICATE AND SEX
SEPTEMBER 30, 1982



**TEACHERS BY CERTIFICATE AND POSITION
SEPTEMBER 30, 1982**

	Total*	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1 Permit	TCM	VTCA	VTCA	VTCA	VTCA	VTCA	VTCA	VTCA	VTCA
Superintendents & Assistants	54	6	24	21	3													
Male	2		2															
Female	52	6	22	21	3													
Total	56	6	26	21	3													
Supervisors & System Consultants	105	25	44	29	5													
Male	61	6	17	23	14	1												
Female	186	31	61	62	19	1												
Total	186	31	61	62	19	1												
Principals	430	41	146	186	43	4	2		1									
Male	130	8	15	45	34	17	8	3										
Female	560	49	161	231	77	21	10	3	1									
Total	560	49	161	231	77	21	10	3	1									
Vice-Principals	271	30	98	105	24	4	1											
Male	75	2	18	21	23	8	3											
Female	346	32	116	126	47	12	4											
Total	346	32	116	126	47	12	4											
Department Heads	212	22	53	83	35	2												
Male	78	9	12	30	20		3											
Female	290	31	85	113	55	2	3											
Total	290	31	85	113	55	2	3											
Reg. Classroom Teachers and Specialists	3,747	131	465	1,497	1,117	167	42	4										
Male	6,218	72	271	1,621	2,714	892	364	199	21	2								
Female	9,965	203	736	3,118	3,831	1,059	406	203	21	4								
Total	9,965	203	736	3,118	3,831	1,059	406	203	21	4								
Summary	4,819	255	830	1,921	1,227	177	45	4	1	2								
Male	6,564	97	335	1,740	2,805	918	378	202	21	2								
Female	11,383	352	1,165	3,661	4,032	1,095	423	206	22	4								
Total	11,383	352	1,165	3,661	4,032	1,095	423	206	22	4								

*Includes teachers in the 11 regional vocational schools.

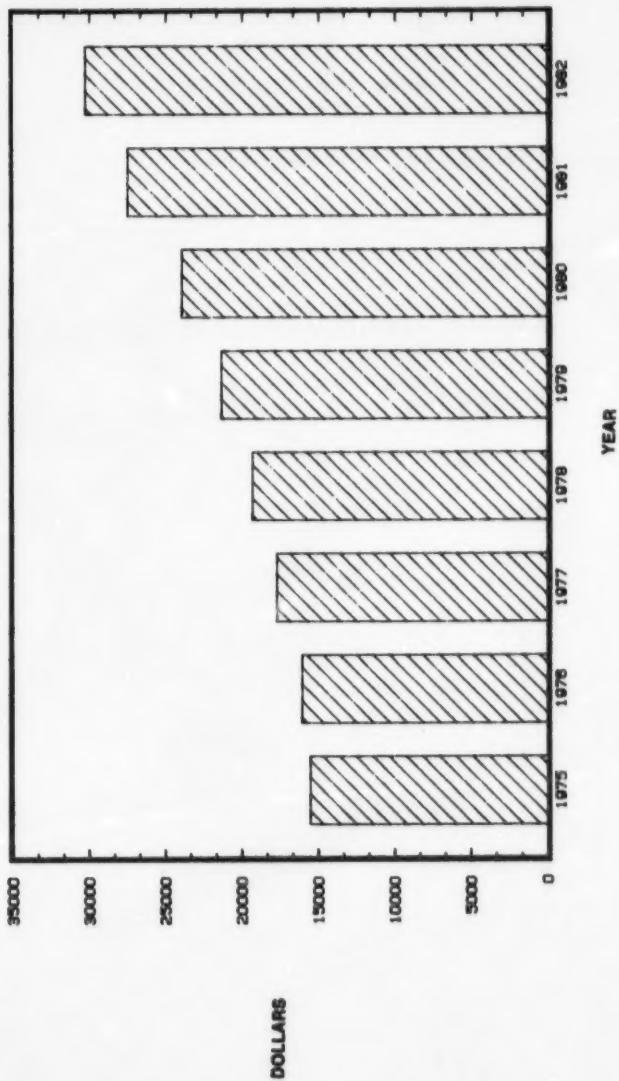
**AVERAGE SALARY PER TEACHER
SEPTEMBER, 1962****(1) Excluding teachers in eleven regional vocational schools**

	Number of Teachers	Average Salary
Basic Salary	10,961	\$29,786
Supervisory Allowance	1,282	\$ 3,962
Total Salary	10,961	\$30,251

(2) Including teachers in eleven regional vocational schools

Basic Salary	11,383	\$29,830
Supervisory Allowance	1,327	\$ 3,972
Total Salary	11,383	\$30,293

AVERAGE SALARY PER TEACHER*
1975 TO 1982



*Based on the salary scales in effect in September of each year.

**NOVA SCOTIA TEACHERS' PENSION COMMISSION
AUDITOR'S REPORT**

To the Chairman and Members of the
Nova Scotia Teachers' Pension Commission
and to the Minister of Finance

I have examined the balance sheet of the Nova Scotia Teachers' Pension Fund as at March 31, 1983 and the statement of continuity of fund for the year then ended. My examination was made in accordance with generally accepted auditing standards and accordingly, included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Fund as at March 31, 1983 and the results of the transactions for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

A.W. Sarty
Auditor General

Halifax, Nova Scotia
August 25, 1983

**NOVA SCOTIA TEACHER'S PENSION FUND
BALANCE SHEET
AS AT MARCH 31, 1983**

Assets		
	1983	1982
Cash	\$ —	\$ 622,827
Accounts receivable	5,894,324	5,262,321
Accrued interest receivable	9,356,441	6,824,369
	<u>15,250,765</u>	<u>12,709,517</u>
Investments: (Note 2)		
Short-term deposits	18,000,000	35,250,000
Bonds and debentures	320,804,663	257,214,024
Mortgages	5,992,915	6,231,671
Common and preferred shares	12,438,863	11,055,012
	<u>357,236,441</u>	<u>309,750,707</u>
Unamortized difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	(1,515)	87,495
	<u>\$372,485,691</u>	<u>\$322,547,719</u>
Liabilities and Fund Equity		
Bank overdraft	\$ 517,785	\$ —
Accounts payable	2,657,295	4,242,167
Fund equity	369,310,611	318,305,552
	<u>\$372,485,691</u>	<u>\$322,547,719</u>

**NOVA SCOTIA TEACHERS' PENSION FUND
STATEMENT OF CONTINUITY OF FUND
FOR THE YEAR ENDING MARCH 31, 1983**

	1983	1982
Balance at beginning of year	<u>\$318,305,552</u>	<u>\$274,039,370</u>
Add:		
Teachers' contributions	19,595,696	17,714,237
Government contributions	19,595,696	17,714,237
Purchase of prior service	576,367	434,702
Transfers from other pension funds	654,465	492,464
Income earned on investments	37,835,506	32,263,063
Amortization of discount and premium on investments	65,627	73,046
	<u>78,323,361</u>	<u>68,691,749</u>
Deduct:		
Expenses (Note 4)	221,609	224,911
Pensions paid	25,559,531	22,564,683
Refund of contributions	1,193,254	1,165,605
Transfers to other pension funds	260,295	256,410
Amortization of difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	83,613	213,958
	<u>27,318,302</u>	<u>24,425,567</u>
Balance at end of year	<u><u>\$369,310,611</u></u>	<u><u>\$318,305,552</u></u>

**NOVA SCOTIA TEACHERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS
FOR THE YEAR ENDING MARCH 31, 1983**

1. Teachers' Pension Plan

Teachers in the Province are entitled to receive pension benefits pursuant to the provisions of a plan established under the Teachers' Pension Act. The operation of the plan is conducted within the Teachers' Pension Fund to which teacher and employer matching contributions and investment income are credited and payments to pensioners and terminating teachers are charged. The Teachers' Pension Fund is invested in federal, provincial, municipal and corporate securities and mortgages eligible for investment under the Provincial Finance Act.

2. Valuation of Investments

Bonds and debentures of \$320,804,663 are valued at cost adjusted for the amortization of discounts and premiums over the life of the related security. The face value and the market value of these bonds and debentures as at March 31, 1983, were \$324,575,000 (1982: \$259,777,000) and \$300,787,237 (1982: \$182,517,873) respectively. Generally, investments in bonds and debentures are made with the intention to retain them until maturity at which time they are redeemed for their face value, unless there is an opportunity to exchange or dispose of the bonds and debentures to obtain a higher yield.

Mortgages of \$5,992,915 are valued at cost adjusted for amortization of premiums and discounts over seven years. The face value of mortgages held at March 31, 1983, was \$5,993,733.

Short term investments are shown at their cost and face value of \$18,000,000. Common and preferred shares are valued at a cost of \$12,438,863 (1982: \$11,055,012) at March 31, 1983. The market value of these equity investments at that date was \$19,354,296 (1982: \$12,633,552).

3. Gains and Losses on Investments

Gains and losses on bonds and debentures exchanged to obtain a higher yield are capitalized and amortized over the lesser of seven years or the remaining life of the bond or debenture.

Gains and losses on disposals of common and preferred shares are charged or credited to income in the year of disposition.

4. Administration Expenses

The fund is charged with expenses of the Teachers' Pension section and the Administration and Finance section of the Department of Education, as detailed below. However, the costs of the actual management of the investments as carried out by the Trusts and Debt Management section of the Department of Finance are borne by the Province and are not reflected in these financial statements.

	1983	1982
Administration fees	\$ 16,505	\$ 17,240
Salaries and wages	125,905	142,773
Supplies and services	72,565	59,379
Travel	5,316	5,454
Other	1,318	65
	<u>\$221,609</u>	<u>\$224,911</u>

5. Actuarial Valuation

The Teachers' Pension Act requires that the fund be examined by an actuary every five years. The most recent valuation was made as of July 31, 1979, in an actuarial report received in May, 1981. The report indicates fund liabilities at July 31, 1979, after taking into consideration changes made in the plan in 1980, totalled \$679,532,000 of which \$221,589,000 was represented by the actuarial value of the fund assets and \$457,943,000 was unfunded.

NUMBER OF TEACHER-PENSIONERS JULY 31, 1963

1928 Act	On Pension July 31, 1962	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1963
Service Pensions — Men	1	—	1	—	—
Service Pensions — Women	8	—	2	—	6
Disability Pensions — Men	—	—	—	—	—
Disability Pensions — Women	20	—	—	—	20
Dependents' Pensions	3	—	1	—	2
Subtotal	32	—	4	—	28

1946 Act	On Pension July 31, 1962	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1963
Service Pensions — Men	340	38	9	—	369
Service Pensions — Women	1,747	99	34	—	1,812
Reduced Service — Men	65	5	1	—	69
Reduced Service — Women	769	24	14	—	779
Disability Pension (Total) — Men	42	3	2	—	43
Disability Pension (Total) — Women	135	9	6	—	138
Disability Pension (Partial) — Men	33	4	1	—	38
Disability Pension (Partial) — Women	157	2	2	1	156
Spouse's Pensions	296	39	12	—	323
Subtotal	3,594	223	81	1	3,725
Total	3,616	223	85	1	3,753

1928 Decrease 4
1949 Increase 141

DEPARTMENT OF EDUCATION

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**NOVA SCOTIA SCHOOL BOOK BUREAU
STATEMENT OF OPERATIONS
FISCAL YEAR APRIL 1, 1982 TO MARCH 31, 1983**

Disbursements

Purchase of Learning Materials	\$4,491,962	
Freight and Mailing Costs	92,249	
Salaries	300,449	
Other	69,011	
		<u>\$4,953,671</u>

Receipts

Sales	<u>\$ 199,809</u>
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Inventories

On Hand, March 31, 1982	634,624
On Hand, March 31, 1983	<u>514,619</u>

Quantities of Textbooks and Material Distributed

Textbooks, Primary to Grade 6	575,000	
Textbooks, Grade 7-12	380,000	
Textbooks, Special Education/Specialized Reading	60,000	
Textbooks, Acadiannes	19,000	
Textbooks, Miscellaneous	20,000	
Career Education Materials	95,000	
		<u>1,149,000</u>
Journal, P&R Releases, other	85,000	
Cumulative Record Cards	29,000	
Teaching Guides, Curriculum Bulletins	98,000	
Miscellaneous	700,000	
		<u>912,000</u>

**CONTINUING EDUCATION ENROLMENTS
1982-83**

Programs/Activities	Number of Programs/Activities	Number of Enrolments/Participants
Community Schools	70	37,760
Volunteer Reading Aide Workshops	15	220
Small Business Management	74	1,032
Senior Citizens Seminars	14	1,491
Pre-Retirement Seminars	24	681
General Educational Development Tests	41	2,718
Public School Programs	1,877	24,607
Totals	2,115	66,509

**ADULT EDUCATION PUBLIC SCHOOL PROGRAMS
STATISTICAL SUMMARY
1982-83**

Subject Classification	Classes	Enrolments
High School Credit	189	2,731
Adult Basic Education	79	985
Accelerated Program	49	872
Sewing	228	2,653
Conversational French	114	1,450
G.E.D. Preparatory	142	1,771
Vocational	812	10,565
English Classes for Refugees (Department of Labour & Manpower)	4	141
Part-Time Apprenticeship (Department of Labour & Manpower)	13	158
Other	247	3,201
Totals	1,877	24,607

**ADULT EDUCATION
STUDENTS SPONSORED BY CANADA EMPLOYMENT AND IMMIGRATION
AND
CANADA CORRECTIONAL SERVICES
1982-83**

By Institutions	Male	Female	Total
Dartmouth and Cape Breton Adult Vocational Training Centres and Modules	2,157	1,655	3,812
Other Training Institutions operated by the Government of Nova Scotia			
(a) N.S. Institute of Technology — Halifax	1,809	116	1,905
(b) N.S. Nautical Institute — Halifax	830	20	850
(c) N.S. Land Survey Institute — Lawrencetown	62	25	87
(d) N.S. Agricultural College — Truro	367	81	448
(e) Dept. of Fisheries — Pictou	818	172	990
Outports	307	117	424
Other Training Institutions operated by Canada Correctional Service — Springhill Medium Security Institution	576	—	576
Other Training Institutions			
(a) University College of Cape Breton	855	1	856
(b) Private Schools	383	221	604
(c) Others	53	4	57
Totals	<u>8,279</u>	<u>2,412</u>	<u>10,691</u>
By Course			
Vocational	7,036	1,299	8,335
Vocational Preparatory			
(a) Basic Training for Skill Development including C/G	1,022	642	1,664
(b) Job Readiness Training	221	382	603
(c) Career Exploration for Women	—	89	89
Totals	<u>8,279</u>	<u>2,412</u>	<u>10,691</u>
By Trainees			
Federal*	7,701	2,412	10,113
Canadian Correctional Services	576	—	576
Total	<u>8,279</u>	<u>2,412</u>	<u>10,691</u>

* (Including 2,422 indentured apprentices, 2,400 men and 22 women)

**NOVA SCOTIA INSTITUTE OF TECHNOLOGY
SUMMARY OF ENROLMENTS
1982-83**

	On Roll Aug. 1 1982	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31 1983
Applied Arts & Technology Courses					
Construction Administration Tech.					
- 1st year	—	—	18(1)	15	—
- 2nd year	—	—	14	14	—
Dental Assisting - 1 year	—	—	36(36)	35(35)	—
Dental Technology					
- 1st year	—	—	8(8)	6(5)	—
- 2nd year	—	—	4(4)	4(4)	—
Electrical Eng. Technology					
- 1st year	—	—	17	10	—
- 2nd year	—	—	8	7	—
Electronics Eng. Technology					
- 1st year	—	—	41(1)	30(1)	—
- 2nd year	—	—	43(1)	36(1)	—
Mechanical Eng. Technology					
- 1st year	—	—	18	14	—
- 2nd year	—	—	12	11	—
Food Service Technology					
- 1st year	—	—	13(12)	8(7)	—
- 2nd year	—	—	29(26)	19(16)	—
Medical Lab. Technology					
- 1st year	—	—	88(76)	66(56)	—
- 2nd year	35(27)	—	85(72)	34(26)	50(45)
Nuclear Medicine Technology					
- 1st year	—	—	9(9)	8(8)	—
- 2nd year	—	—	6(5)	6(5)	—
Petroleum Resources Tech.					
- 1st year	—	—	23(4)	19(4)	—
- 2nd year	—	—	11	9	—
Process Operations - 1 year	—	14	19	13	—
Pre-Technical (Eng. Tech.)	—	—	8	—	—
Total Technology Courses	35(27)	14	510(263)	364(188)	50(45)

**NOVA SCOTIA INSTITUTE OF TECHNOLOGY
SUMMARY OF ENROLMENTS (continued)
1982-83**

	On Roll Aug. 1 1982	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31 1983
Apprenticeship Courses					
Bricklaying					
Pre-Employment	—	17	17	11	—
Modular	—	43	43	43	—
Carpentry					
Pre-Employment	—	15	15	15	—
Modular (Block Release)	—	145	145	139	—
Block Release	—	183	183	181	—
Cooking					
Pre-Employment	—	33 (6)	33 (6)	28 (6)	—
Block Release	—	92 (16)	92 (16)	91 (16)	—
Electrical Construction					
Pre-Employment	—	15	15	14	—
Block Release	—	224 (2)	224 (2)	221 (2)	—
In-Plant	—	109	109	108	—
Laid-off Apprentices Program	—	9	9	—	9
Machinist					
Pre-Employment	—	15 (3)	15 (3)	14 (3)	—
Block Release	—	78	78	77	—
Marine Fitter					
Pre-Employment	—	13	13	9	—
MVR (Mechanical)					
Pre-Employment	—	16	16	11	—
Block Release	—	311	311	304	—
Oil Burner Servicing					
Pre-Employment	—	15	15	12	—
Block Release	—	66	66	63	—
Plumbing — Block Release	—	108	108	108	—
Refrigeration					
Air Conditioning					
Block Release	—	28	28	27	—
Sheet Metal —					
Block Release	—	27	27	27	—
Sprinkler Fitter					
Block Release	—	50	50	49	—
Stationary Engineers					
Block Release	—	99	99	97	—
Total Apprenticeship Courses	—	1,711 (27)	1,711 (27)	1,649 (27)	9

*The number in parentheses indicates the number of females included in the number immediately preceding.

**NOVA SCOTIA LAND SURVEY INSTITUTE
STATISTICAL SUMMARY
1982-83**

	Enrolled	Withdraw	Failed	Successful in Supps*	Graduated
Cartography	9(3)	—	2(2)	—	7(1)
Survey					
Certificate	24(2)	5	4	—	15(2)
Diploma	15	1	4	1	11
Survey Office Tech.	14(1)	5	1	1(1)	9(2)
Survey Assistant	6	—	1	—	5
Planning Technician					
Certificate	13(4)	2	4(2)	—	7(2)
Diploma	11(6)	1	1	—	9(6)
Photogrammetry	5(1)	3	—	—	2(1)
Totals	97(17)	17	17(4)	2(1)	65(14)

*From previous year(s)

Note: the number in brackets denotes the number of females in the total.

Enrolled (E) - Withdraw (W) - Failed (F) + Successful in Supps (S) = Graduated (G)

**NOVA SCOTIA NAUTICAL INSTITUTE
STATISTICAL SUMMARY
JULY 1962 - JUNE 1963**

Course	Manpower Students Enrolled	Other	Total Enrolled	Completed Courses
Marine Engineering				
Marine Engineer, 1st Class	4	13	17	3
Marine Engineer, 2nd Class	15	14	29	5
Marine Engineer, 3rd Class	23	9	32	12
Marine Engineer, 4th Class	17	4	21	20
Basic Marine Engineer Cadet	15	—	15	12
Subtotal	<u>74</u>	<u>40</u>	<u>114</u>	<u>52</u>
Marine Navigation				
Master Mariner	8	21	29	10
Ocean Navigation I	19	28	47	18
Ocean Navigation II	30	30	60	7
Watchkeeping Mate	91	29	120	42
Command Endorsement	3	1	4	1
Seaman New Entry	49	13	62	57
Master — 40 Ton	3	—	3	—
Fishing Master Class III	1	—	1	—
Coastal Navigation	—	32	32	32
Basic Navigation Cadet	14	3	17	14
Riggers I & M	30	—	30	15
Subtotal	<u>246</u>	<u>157</u>	<u>405</u>	<u>196</u>
Simulated Electronic				
Navigation I	72	27	99	95
Simulated Electronic Navigation I Part B	64	13	77	79
Simulated Electronic Navigation II	20	33	53	52
Radar Plotting	—	3	3	3
Subtotal	<u>156</u>	<u>76</u>	<u>232</u>	<u>229</u>
MED I	—	43	43	43
Survival	583	395	978	977
Lifeboat	588	381	969	962
Firefighting	634	378	1,012	1,011
MED III	—	4	4	4
Subtotal	<u>1,805</u>	<u>1,201</u>	<u>3,006</u>	<u>2,997</u>
Grand Totals	<u>2,263</u>	<u>1,474</u>	<u>3,757</u>	<u>3,474</u>

UNIVERSITY AND COLLEGE ENROLMENTS
1981-82; 1982-83

(Full-time students plus full-time equivalent of part-time students)

	1982-83	1981-82
(a) Degree students		
Acadia University	3,495	3,420
Atlantic Institute of Education	46	45
Atlantic School of Theology	100	108
Dalhousie University	8,428	8,081
Mount Saint Vincent University	2,094	1,934
Nova Scotia Agricultural College	219	183
Nova Scotia College of Art and Design	520	516
Nova Scotia Teachers College	548	502
Saint Francis Xavier University	2,600	2,575
Saint Mary's University	3,504	3,026
Technical University of Nova Scotia	937	813
University College of Cape Breton	1,270	1,051
Université Sainte-Anne	255	235
University of King's College	455	409
Total — Degree students	<u>24,471</u>	<u>22,898</u>
(b) Technical students		
Nova Scotia Agricultural College	255	246
Nova Scotia Land Survey Institute	127	140
University College of Cape Breton	593	520
Total — Technical students	<u>975</u>	<u>906</u>
Total — All Students	<u>25,446</u>	<u>23,804</u>

**ASSISTANCE TO UNIVERSITIES
1981-82; 1982-83**

	1982-83	1981-82
Acadia University	\$ 13,170,454	\$ 11,231,619
Atlantic Institute of Education	1,293,899	845,600
Atlantic School of Theology	549,952	426,514
Dalhousie University	61,460,820	54,310,819
Mount Saint Vincent University	6,790,366	5,854,117
Nova Scotia Agricultural College	1,756,010	1,348,170
Nova Scotia College of Art and Design	3,062,238	2,568,474
Nova Scotia Land Survey Institute	488,400	593,600
Nova Scotia Teachers College	4,300,404	4,407,800
Saint Francis Xavier University	10,606,772	9,447,922
Saint Mary's University	11,342,345	10,400,656
Technical University of Nova Scotia	8,684,460	8,115,822
University College of Cape Breton	7,853,994	6,745,803
Université Sainte-Anne	1,694,930	1,513,710
University of King's College	1,206,370	952,297
	<u>\$134,062,414</u>	<u>\$116,762,923</u>
Foreign student recoveries	\$ 1,712,025	\$ 891,075
Non-Space, Alterations and Renovations Grants	\$ 2,974,985	\$ 5,760,130
University Debt Charges Grants	\$ 9,094,310	\$ 8,494,586
Recoveries from other Atlantic Provinces	\$ 6,139,329	\$ 5,401,435

**STUDENT AID
1982-82; 1982-83**

	1982-83	1981-82
Assistance Awarded		
Canada Student Loan	\$19,810,815	\$14,744,000
Nova Scotia Bursary	7,257,564	9,615,769
	<u>\$26,068,179</u>	<u>\$24,359,769</u>
Students Assisted		
Canada Student Loan	10,294	9,055
Nova Scotia Bursary	6,567	7,352
Average Aid per Student		
Canada Student Loan	\$ 1,906	\$ 1,626
Nova Scotia Bursary	\$ 1,105	\$ 1,308
Average total aid per student	\$ 2,610	\$ 2,690